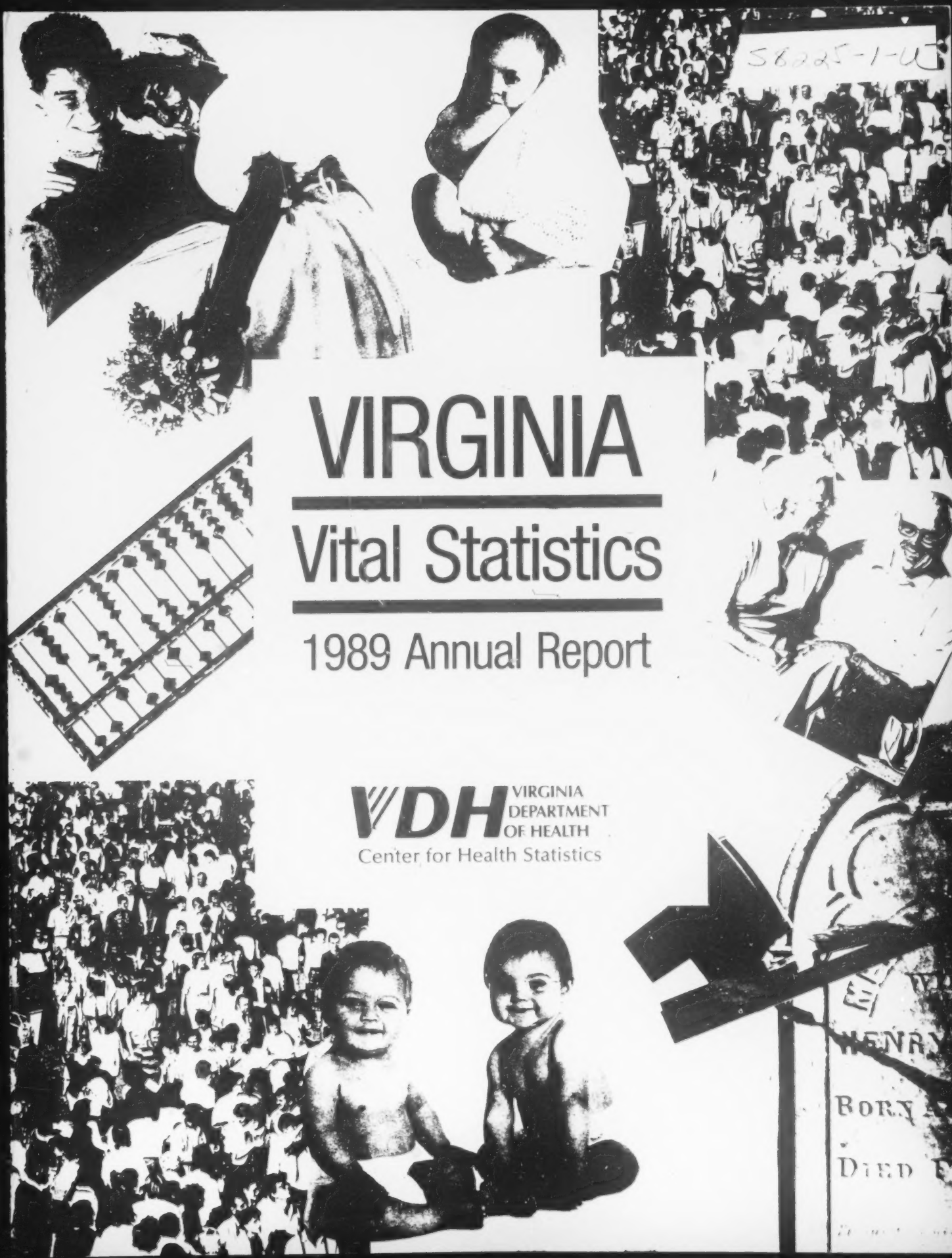




VIRGINIA

Vital Statistics

1989 Annual Report

VDH VIRGINIA
DEPARTMENT
OF HEALTH
Center for Health Statistics



COMMONWEALTH of VIRGINIA

C. M. G. BUTTERY, M.D., M.P.H.
STATE HEALTH COMMISSIONER

Department of Health
Richmond, Virginia 23219

The Honorable Lawrence Douglas Wilder
Governor of Virginia
Richmond, Virginia

Dear Governor Wilder:

It is a pleasure to present the seventy-seventh Vital Statistics Annual Report of the Virginia Department of Health for calendar year 1989.

The report contains narrative descriptions and/or statistical tables of vital records and communicable diseases relative to the experiences of Virginia and her citizens during 1989 and indicates trends of specific events during recent years.

Data in the report indicate that Virginia births continued to increase during 1989 resulting in the highest number of births since 1964 and the highest birth rate since 1971.

Below are shown the growth in Virginia vital events since 1950.

Vital Events with Rates, Virginia, Selected Years, 1950 through 1989

Year	Births		Deaths		Induced Abortions		Natural Fetal Deaths		Marriages		Divorces	
	Number	Rate*	Number	Rate*	Number	Rate#	Number	Rate#	Number	Rate*	Number	Rate*
1950	81,986	24.6	29,680	8.9	N.A.	N.A.	N.A.	N.A.	36,732	11.0	5,941	1.8
1960	95,716	24.0	34,400	8.6	N.A.	N.A.	N.A.	N.A.	37,519	9.4	7,348	1.8
1970	86,081	18.5	39,009	8.4	1,633	1.6	6,840	6.8	51,964	11.1	11,879	2.5
1980	78,423	14.7	42,496	7.9	30,062	23.1	6,448	4.9	60,210	11.3	23,615	4.4
1989	96,538	16.0	47,094	7.8	32,584	21.9	7,785	5.2	69,001	11.5	25,808	4.3

*Rates per 1,000 Population

#Rates per 1,000 Females 15-44

N.A. - Not Available

Respectfully submitted,

C. M. G. Buttery, M.D., M.P.H.
State Health Commissioner

Virginia

1989

**Vital Statistics
Annual Report**

Center For Health Statistics

**Virginia Department Of Health
Richmond, Virginia
December, 1990**

Additional copies of this report may be ordered for \$10.00 from

Virginia Department of Health
Center For Health Statistics
109 Governor Street, Room 307
Richmond, VA 23219

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VITAL STATISTICS ANALYSIS AND CHARTS

Analysis of the Data for 1989:

	<u>Page</u>
Chapter I Introduction	3
Definitions	3
Interpretation of Data	6
Population	8
Chapter II ... Resident Pregnancies	9
Chapter III ... Resident Live Births	11
Chapter IV ... Induced Abortions and Natural Fetal Deaths	22
Induced Abortions	22
Natural Fetal Deaths	24
Chapter V Infant Deaths and Maternal Deaths	27
Infant Mortality	27
Maternal Deaths	29
Chapter VI ... Resident Deaths and Cremations	30
Resident Deaths	30
Cremations	39
Chapter VII .. Marriages and Divorces	40
Marriages	40
Divorces and Annulments	43
Chapter VIII . Communicable Disease	48

Charts:

Chart A Percent Termination Type of Total Pregnancies By Five-Year Age Groups, Virginia, 1989	10
Chart B Resident Birth Rates By Race Virginia, 1959-1989	12
Chart C Median Age of Mother at Birth, All Births and First Births Virginia, 1959-1989	13
Chart D Percent Illegitimate Births of Total Resident Births By Race Virginia, 1959-1989	15
Chart E Resident Infant Mortality Rates Per 1,000 Live Births Virginia, 1959-1989	27
Chart F Resident Death Rates By Race Virginia, 1959-1989	30
Chart G Percent of Resident Deaths By Age Group Virginia, 1959-1989	31
Chart H Five Leading Causes of Death Virginia, 1989	33
Chart I Marriages in Virginia By Race, 1959-1989	40
Chart J Median Age At Marriage Virginia, 1960-1989	42
Chart K Divorces in Virginia By Race, 1959-1989	44
Chart L Divorces By Number of Children in Family Virginia, 1989	45

DATA TABLES

Vital Events 1989 Summary:

	<u>Page</u>
Table 1 Vital Events, Estimated Population, and Birth and Death Rates Per 1,000, By Planning District and City or County of Residence Virginia, 1989	50
Table 2 Projected Population By Race and By Planning District and City or County, Virginia, July 1989	52

Vital Statistics Trends:

Table 3 Estimated Resident Population, Resident Births and Deaths, and Marriages and Divorces Performed in the State, With Rates Per 1,000 Population, By Race, Virginia, 1969-1989	53
Table 4 Resident Illegitimate and Low Weight Births With Percent of Total Births and Infant Deaths Under 28 Days and Under One Year With Rates per 1,000 Live Births, By Race Virginia, 1969-1989	54
Table 5 Resident Total Pregnancies, Live Births, Induced Abortions, and Natural Fetal Deaths With Rates Per 1,000 Females Aged 15-44 By Race, Virginia, 1969-1989	55

Live Births, Induced Abortions, and Natural Fetal Deaths:

Table 6 Live Births By Place of Occurrence and Place of Residence With Resident Rate Per 1,000 Population By Race By Planning District and City or County, Virginia, 1989	56
Table 7 Resident Live Births By Race and By Place of Delivery By Planning District and City or County of Residence Virginia, 1989	58
Table 8 Illegitimate Live Births, Low Weight Births, and Congenital Anomalies, With Percent of Total Births, By Race and By Planning District and City or County of Residence, Virginia, 1989	60
Table 9 Resident Live Births By Age of Mother By Race By Planning District and City or County of Residence, Virginia, 1989	62
Table 10 Resident Live Births By Birth Order By Birth Weight Virginia, 1989	68
Table 11 Resident Live Births By Birth Weight By Race and Age of Mother, Virginia, 1989	69
Table 12 Resident Live Births By Live Birth Order By Age and By Race of Mother, Virginia, 1989	70
Table 13 Percent Distribution of Resident Live Births By Live Birth Order By Age and Race of Mother, Virginia, 1989	70

	<u>Page</u>
Table 14 Resident Live Births By Education of Mother By Birth Order Virginia, 1989	71
Table 15 Resident Live Births By Education of Mother By Trimester Care Began Virginia, 1989	71
Table 16 Resident Live Births By Birth Order By Trimester Care Began Virginia, 1989	71
Table 17 Resident Live Births By Age of Mother By Trimester Care Began Virginia, 1989	71
Table 18 Resident Live Births With APGAR Score By Age of Mother Virginia, 1989	72
Table 19 Resident Live Births With APGAR Score By Race and Sex Virginia, 1989	72
Table 20 Events of Labor and Delivery Reported for Resident Live Births By Trimester Care Began, Virginia, 1989	73
Table 21 Congenital Anomalies Reported for Resident Live Births By Trimester Care Began, Virginia, 1989	73
Table 22 Resident Live Births And Natural Fetal Deaths By Race and Sex By Month of Delivery and Number Delivered Per Pregnancy Virginia, 1989	74
Table 23 Resident Live Births By Race and Sex and By Sex Ratio of Males Per 1,000 Females, Virginia, 1980-1989	74
Table 24 Resident Pregnancies By Race and Legitimacy Status With Percent Illegitimate (Live Births, Natural Fetal Deaths, and Induced Abortions) By Age of Mother, Virginia, 1989	74
Table 25 Resident Live Births By Race and Legitimacy Status With Percent Illegitimate By Age of Mother, Virginia, 1989	75
Table 26 Resident Induced Abortions By Race and Legitimacy Status With Percent Illegitimate By Age of Mother, Virginia, 1989	75
Table 27 Resident Natural Fetal Deaths By Race and Legitimacy Status With Percent Illegitimate By Age of Mother, Virginia, 1989	75
Table 28 Teenage Total Pregnancies, Live Births, Induced Abortions, and Natural Fetal Deaths, By Planning District and City or County of Residence Virginia, 1989	76
Table 29 Induced Abortions By Race and Legitimacy Status With Percent Illegitimate By Planning District and City or County of Residence Virginia, 1989	78

	<u>Page</u>
Table 30 Resident Induced Abortions By Age of Mother By Planning District and City or County of Residence, Virginia, 1989	80
Table 31 Natural Fetal Deaths By Length of Gestation By Race By Planning District and City or County of Residence, Virginia, 1989	82
Table 32 Resident Natural Fetal Deaths By Age of Mother By Planning District and City or County of Residence, Virginia, 1989	84
Table 33 Resident Natural Fetal Deaths Length of Gestation By Race By Cause of Death, Virginia, 1989	86

Infant Deaths:

Table 34 Neonatal Deaths With Rates Per 1,000 Live Births By Race By Planning District and City or County of Residence, Virginia, 1989	87
Table 35 Infant Deaths By Place of Occurrence and Place of Residence With Resident Rates Per 1,000 Live Births By Planning District and City or County, Virginia, 1989	88
Table 36 Perinatal Death Rate With Infant Deaths Under One Week and Fetal Deaths 28 Weeks and Over Gestation, By Race By Planning District and City or County of Residence, Virginia, 1989	90
Table 37 Resident Infant Deaths By Cause of Death By Race and Sex With Rates Per 100,000 Live Births, Virginia, 1989	92
Table 38 Resident Infant Deaths By Age and Cause of Death, Virginia, 1989	94

Deaths:

Table 39 Deaths By Place of Occurrence and Place of Residence With Resident Rate Per 1,000 Population, By Race By Planning District and City or County of Residence, Virginia, 1989	96
Table 40 Resident Deaths From Important Causes By Race With Rates Per 100,000 Population, Virginia, 1980-1989	98
Table 41 Resident Deaths By Cause By Age, Race, and Sex Virginia, 1989	100
Table 42 Five Leading Causes of Death in Specified Age Groups By Race Virginia, 1989	107
Table 43 Resident Accidental Deaths By Age and Type of Accident Virginia, 1989	108
Table 44 Resident Home Accidental Deaths By Age and Type of Accident Virginia, 1989	109

Table 45	Deaths Occurring in Virginia and to Residents of Virginia By Cause of Death and By Race, Virginia, 1989	110
Table 46	Deaths to Residents of Virginia Planning District 1 By Cause of Death and By Race, Virginia, 1989	111
	Deaths to Residents of Virginia Planning District 2 By Cause of Death and By Race, Virginia, 1989	112
	Deaths to Residents of Virginia Planning District 3 By Cause of Death and By Race, Virginia, 1989	113
	Deaths to Residents of Virginia Planning District 4 By Cause of Death and By Race, Virginia, 1989	115
	Deaths to Residents of Virginia Planning District 5 By Cause of Death and By Race, Virginia, 1989	117
	Deaths to Residents of Virginia Planning District 6 By Cause of Death and By Race, Virginia, 1989	119
	Deaths to Residents of Virginia Planning District 7 By Cause of Death and By Race, Virginia, 1989	121
	Deaths to Residents of Virginia Planning District 8 By Cause of Death and By Race, Virginia, 1989	123
	Deaths to Residents of Virginia Planning District 9 By Cause of Death and By Race, Virginia, 1989	125
	Deaths to Residents of Virginia Planning District 10 By Cause of Death and By Race, Virginia, 1989	127
	Deaths to Residents of Virginia Planning District 11 By Cause of Death and By Race, Virginia, 1989	129
	Deaths to Residents of Virginia Planning District 12 By Cause of Death and By Race, Virginia, 1989	131
	Deaths to Residents of Virginia Planning District 13 By Cause of Death and By Race, Virginia, 1989	133
	Deaths to Residents of Virginia Planning District 14 By Cause of Death and By Race, Virginia, 1989	134
	Deaths to Residents of Virginia Planning District 15 By Cause of Death and By Race, Virginia, 1989	136
	Deaths to Residents of Virginia Planning District 16 By Cause of Death and By Race, Virginia, 1989	138

	<u>Page</u>
Deaths to Residents of Virginia Planning District 17 By Cause of Death and By Race, Virginia, 1989	140
Deaths to Residents of Virginia Planning District 18 By Cause of Death and By Race, Virginia, 1989	141
Deaths to Residents of Virginia Planning District 19 By Cause of Death and By Race, Virginia, 1989	143
Deaths to Residents of Virginia Planning District 20 By Cause of Death and By Race, Virginia, 1989	145
Deaths to Residents of Virginia Planning District 21 By Cause of Death and By Race, Virginia, 1989	147
Deaths to Residents of Virginia Planning District 22 By Cause of Death and By Race, Virginia, 1989	149

Marriages:

Table 47	Marriages By Place of Occurrence, Residence of Bride, and Residence of Groom, By Race By Planning District and City or County, Virginia, 1989	150
Table 48	Marriages By Type of Ceremony By Month, Virginia, 1989	152
Table 49	Marriages By Previous Marital Status of Bride By Previous Marital Status of Groom According to Race of Groom Virginia, 1989	152
Table 50	Marriages By Age of Bride By Age of Groom in Years Virginia, 1989	153

Divorces:

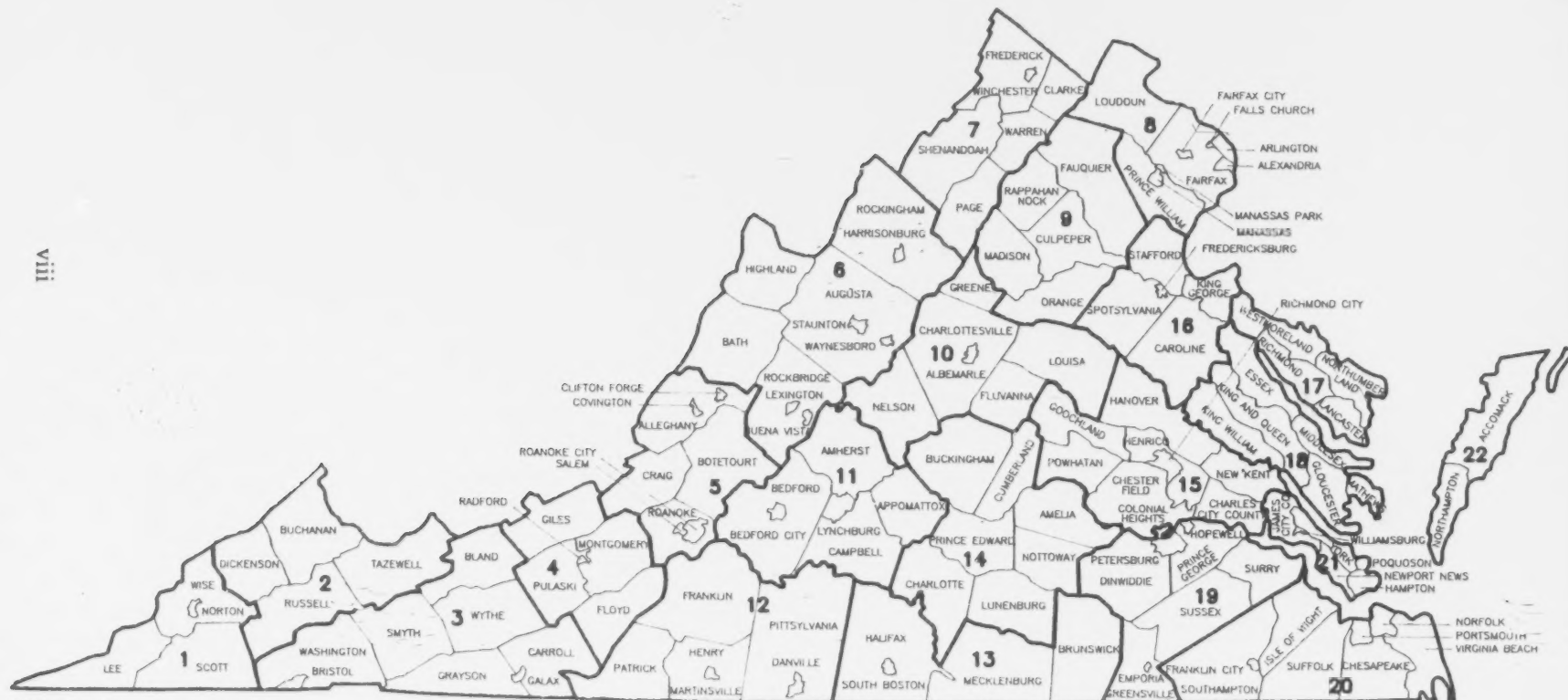
Table 51	Divorces and Annulments By Race of Husband and Cause of Divorce By Planning District and City or County Where Granted Virginia, 1989	154
Table 52	Divorces and Annulments By Race By Month of Decree Virginia, 1989	156
Table 53	Divorces and Annulments By Race of Husband By Place of Marriage and By Number of Minor Children in Family Virginia, 1989	156
Table 54	Divorces and Annulments By Duration of Marriage and Person Granted Divorce, By Plaintiff and Cause of Divorce Virginia, 1989	157
Table 55	Divorces and Annulments By Age of Wife By Age of Husband Virginia, 1989	158

<u>Communicable Disease:</u>	<u>Page</u>
Table 56 Reported Cases and Deaths From Certain Communicable Diseases With Case Rates Per 100,000 Population Virginia, 1980-1989	159
Table 57 Reported Cases of Certain Communicable Diseases By Planning District and City or County, Virginia, 1989	160
Table 58 Reported Cases of AIDS and Sexually Transmitted Diseases By Planning District and City or County, Virginia, 1989	164

MAPS

<u>Planning Districts:</u>	Planning Districts and Their Component Counties and Independent Cities Commonwealth of Virginia	viii
<u>Resident Births:</u>	Resident Birth Rates Per 1,000 Population By Planning Districts Virginia, 1989	21
<u>Resident Deaths:</u>	Resident Death Rates Per 1,000 Population By Planning Districts Virginia, 1989	38

PLANNING DISTRICTS AND THEIR COMPONENT COUNTIES AND INDEPENDENT CITIES COMMONWEALTH OF VIRGINIA



SOURCE: Virginia Department Of Health

Analysis of the Data for 1989

Total Pregnancies
Total Live Births
Induced Abortions
Natural Fetal Deaths

Infant Deaths
Maternal Deaths
Total Deaths
Cremations

Marriages
Divorces

CHAPTER I

INTRODUCTION

Vital Statistics data for Virginia for the year 1989 are presented in this Statistical Annual Report, the seventy-seventh in the series. Data regarding births and deaths have been compiled each year since 1913, the year after the General Assembly passed the original Vital Statistics Act. Marriage data are available for each year since 1917, and divorce statistics have been recorded and tabulated since 1918. Currently, certificates are filed in the Division of Vital Records and data are tabulated by the Center for Health Statistics.

In this report, the data are described and briefly analyzed in chapter and narrative form. Vital statistics are presented in detailed tables showing trends experienced in Virginia for the twenty-one year period 1969-1989. For 1989 events, tables containing information for the State and for independent cities and counties are also included. Cities and counties are grouped into the twenty-two State planning districts, and planning district totals are also given.

Most tabulations in the report are based on live births, induced abortions, natural fetal deaths, infant deaths, resident deaths, marriages, and divorces recorded in the Division of Vital Records and known live births and deaths of Virginia residents which occurred outside the State. Since resident data reflect local conditions, the majority of the material in the report is presented by place of residence, although a few of the tables are by place of occurrence of the event. The title of each table of data on live births, induced abortions, natural fetal deaths, infant deaths, resident deaths, and marriages specifies whether the tabulation is compiled by place of occurrence or by place of residence. The divorce data are presented by the city or county where the court granted the divorce.

DEFINITIONS:

Residence is the city or county where the deceased resided for a death, where the mother resides for a birth, or where the patient resides for a natural fetal death or induced abortion. Marriages are tabulated according to the city or county of residence for both the bride and the groom.

White and nonwhite breakdowns are given for most data. "White" includes persons reported as Mexican and Puerto Rican and those not specifically designated as nonwhite. "Nonwhite" includes Black, a reported mixture of Black with any other race, and all other nonwhite races and mixtures. For marriage and divorce figures, white and nonwhite refer to the race of the husband. For birth and fetal death data, white and nonwhite refer to the race of the mother.

A live birth is defined as the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.7)

A low weight birth (formerly called immature birth) is one for which the birth weight is 2,500 grams (5 pounds 8 ounces) or less, regardless of the period of gestation.

An illegitimate event (birth, induced abortion, natural fetal death) is one which occurred to a woman who was not married to the father of the child at the time of the event and had not been married to him at any time during the preceding 10 months.

A fetal death is defined as the death caused by induced abortion or the death prior to the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.2)

Induced abortion is a fetal death where the pregnancy has been deliberately terminated with the purpose of producing a nonviable fetus. Molar and ectopic pregnancies are excluded.

A natural fetal death is a fetal death that is not an induced abortion.

Infant deaths are deaths of children under one year of age. Neonatal deaths are deaths of children under 28 days of age. Hebdomadal deaths are deaths under one week of age.

The underlying cause of death, by which all deaths are classified, may be defined as (a) the disease or injury which initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury. It is the responsibility of the certifying physician or medical examiner to indicate the underlying cause, and it is the responsibility of the nosologists in the Center for Health Statistics to assign the proper code number from the Ninth Revision, International Classification of Diseases, so that deaths may be classified by underlying cause. Because of the classification revision, cause-of-death figures beginning with 1979 data are not entirely comparable with those of earlier years.

In order to compare death rates from certain causes for the years 1979-1989 with the death rates for a year or years during the period 1969-1978, the estimated number of deaths from those causes during the early period must be derived by the use of comparability ratios which were computed by the National Center for Health Statistics from the results of dual coding of certificates according to the old and the new procedures. The comparability ratios are the number of deaths classified to a given cause by the Ninth Revision divided by the number of deaths classified to that cause by the Eighth Revision. Comparability ratios have been published by the National Center for Health Statistics in the Monthly Vital Statistics Report, Vol. 28, No. 11, Supplement, February 29, 1980.

Beginning with data for 1987, the National Center for Health Statistics added classification categories for human immunodeficiency virus (HIV infection) and AIDS. Deaths classified to HIV infection for 1989 are included in "Other infectious & parasitic diseases" in Tables 41, 45 and 46 and are also shown in a separate section of the narrative portion of this report. For 1986 and previous years, deaths involving HIV infection were classified to various categories, so comparable data are not available.

Cremations are increasing in the State. Data as to the number and locations for 1989 are provided at the end of the narrative chapter on resident deaths.

Rates used in this report are defined below:

Birth rate	=	$\frac{\text{Number of live births}}{\text{Estimated total midyear population}} \times 1,000$
Death rate	=	$\frac{\text{Number of deaths}}{\text{Estimated total midyear population}} \times 1,000$
Infant mortality rate	=	$\frac{\text{Number of deaths under one year of age}}{\text{Total number of live births}} \times 1,000$
Neonatal mortality rate	=	$\frac{\text{Number of deaths under 28 days of age}}{\text{Total number of live births}} \times 1,000$
Perinatal mortality rate	=	$\frac{\text{Number of deaths under one week of age + number of fetal deaths 28 weeks \& over gestation}}{\text{Total number of live births + number of fetal deaths 28 weeks and over gestation}} \times 1,000$
Maternal mortality rate	=	$\frac{\text{Number of maternal deaths}}{\text{Total number of live births}} \times 100,000$

Death rates by cause are calculated per 100,000 estimated population.

Resident rates refer to births or deaths of residents of Virginia (or of a planning district, city or county) and are based on estimated total population, or total live births of the area. No city, county, or planning district resident marriage or resident divorce rates are published in this report. The marriage rates and divorce rates for the State given in Table 3 include all marriages performed in Virginia or all divorces granted in Virginia courts and are calculated per 1,000 estimated population.

A "resident" marriage rate has limited meaning because there is at present no interstate exchange of marriage records, hence no way of knowing how many residents of Virginia are married in other states. Furthermore, the bride and the groom may be residents of two different Virginia localities. According to Virginia law, one party of a divorce must be a resident of this State for a year prior to the commencement of the suit. Because 13 independent cities do not have separate courts but share a court with the adjoining county, there are no separate divorce figures for these cities. (See Table 51).

The median is defined as the observation that divides a distribution into two equal parts, with 50 percent of the observations below and 50 percent above it in value.

Total population data by city and county for 1989, as shown in Table 2, are projections prepared by the Virginia State Data Center, Virginia Employment Commission (formerly of the Department of Planning and Budget).

INTERPRETATION OF DATA:

Collection. In Virginia, all birth, fetal death, and death certificates are filed in the local health department of the county or independent city where the event occurred by hospitals, physicians, midwives, and funeral directors. Each local health office forwards the records semi-monthly to the Division of Vital Records. Marriage certificates and divorce abstracts are transmitted monthly to the Division by clerks of the various city and county courts.

Interstate exchange of vital records. An interstate exchange of birth and death certificates provides a count of out-of-state events occurring to Virginia residents. These figures are included in the resident data for Virginia cities and counties. Likewise, copies of certificates of events occurring in Virginia to non-residents are sent to the proper states. Since a large number of births to northern Virginia residents occur in District of Columbia hospitals, the number of out-of-state births to Virginia residents greatly exceeds the number of non-resident births occurring in the State. Out-of-state deaths also outnumber non-resident deaths, but by a smaller margin.

LOCATION OF BIRTHS AND DEATHS VIRGINIA, 1989

Location	Births, 1989			Deaths, 1989		
	Total	White	Nonwh	Total	White	Nonwh
Occurring in Virginia	94,089	68,413	25,676	46,392	35,661	10,731
Residents of Virginia	91,542	66,347	25,195	44,346	33,975	10,371
Residents of other areas	2,547	2,066	481	2,046	1,686	360
Occurring to Virginia residents	96,538	70,482	26,056	47,094	36,393	10,701
In Virginia	91,542	66,347	25,195	44,346	33,975	10,371
Out-of-State	4,996	4,135	861	2,748	2,418	330

Completeness of registration. When the Census of Population was taken for 1950, tests were made to determine the completeness of birth registration in each state. At that time, Virginia's reporting was estimated to be 97.3 percent complete (98.0 percent for white births, 95.1 percent for nonwhite). With the steady increase in the percent of births occurring in hospitals since 1950, especially among the nonwhite, it is assumed that the reporting of births is more nearly complete than before.

The completeness of registration of other vital records has never been studied to any great extent; however, indications are favorable in regard to the reporting of these records. Death registration is considered more complete than birth registration since other legal requirements must be met.

The numbers of Virginia resident fetal deaths and induced abortions are under-reported since there is no formal interstate exchange of these records as there is for births and deaths. However, 1,412 induced abortions involving Virginia women were received from other states and are included in this report.

Late filing of records. All vital records for the report year which are received prior to finalizing the data tapes are included in the annual data. Late registrations not included in annual data are, therefore, small in number.

Tabulation of data by residence and by place of occurrence. Resident data are presented for the State, for planning districts, and for counties and independent cities on all vital events except divorces. Recorded data, which are obtained by classifying the vital records according to the place of occurrence, are shown for births, deaths, marriages, and divorces.

Summary of Vital Events. Data indicate that on an average day in 1989:

264 Virginia residents were born
129 Virginia residents died
189 Marriages occurred in Virginia
71 Divorces occurred in Virginia

SUMMARY OF VITAL EVENTS, VIRGINIA, 1989

Event	Total	White	Nonwh
Resident Events			
Live births	96,538	70,482	26,056
Natural fetal deaths	7,785	5,749	2,036
Induced abortions	32,584	21,116	11,468
Infant deaths	963	516	447
Deaths, all causes	47,094	36,393	10,701
Recorded Events			
Marriages	69,001	55,647	13,354
Divorces (including annulments)	25,808	21,644	4,164

POPULATION:

Virginia's total population as of July, 1989, was projected to be 6,022,531. Projected figures for population were prepared by the Virginia State Data Center, Virginia Employment Commission (formerly of the Department of Planning and Budget.) This was an increase of 74,155, or 1.2 percent, over the 1988 projection of 5,948,376.

Among planning district areas, Planning District 16 (including Caroline, King George, Spotsylvania and Stafford counties and Fredericksburg city) showed the largest increase in population -- 29.8 percent over the 1980 census count. The second most significant increase in population (23.3 percent) occurred in Planning District 18 (including Essex, Gloucester, King & Queen, King William, Mathews and Middlesex counties). No planning district indicated a loss in population from 1980 to 1989. Planning District 8 (including Arlington, Fairfax, Loudoun, and Prince William counties and the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park) had the largest population, 1,305,450. Planning District 17 (Lancaster, Northumberland, Richmond, and Westmoreland counties) was the smallest in population with 44,078 residents.

Natural Population Increase. For 1989, there was a natural population increase of 49,444 which was higher than the natural increase of 45,259 for 1988.

The increase of 4.0 percent in 1989 resident births and the 1.0 percent decrease in resident deaths combined to increase the birth-to-death ratio from 1.952 in 1988 to 2.050 in 1989. The total live birth rate exceeded the death rate by 8.2 per 1,000 population in 1989.

NUMBER AND RATE OF NATURAL POPULATION INCREASE BY RACE
VIRGINIA, 1989

Race	Births		Deaths		Natural Increase	
	Number	Rate	Number	Rate	Number	Rate
Total	96,538	16.0	47,094	7.8	49,444	8.2
White	70,482	14.9	36,393	7.7	34,089	7.2
Nonwhite	26,056	19.9	10,701	8.2	15,355	11.8

Data Tables. Data Tables 1-2 present composite information about Virginia vital statistics and estimated population by planning district and city or county of residence for 1989. The population data for Danville and Pittsylvania were adjusted from the estimates of the Virginia State Data Center as a result of a recent annexation. The totals for Planning District 12 and the State remain unchanged. Data Tables 3-5 give basic data for the State for the 21-year period 1969-1989.

CHAPTER II

RESIDENT PREGNANCIES

A pregnancy must terminate in a live birth or a fetal death. A fetal death may result from either an induced abortion or natural causes. A fetal death from natural causes is referenced as a natural fetal death throughout this report. The discussion of this chapter treats the three types of termination as a group, and presents data for the total of the two types of fetal deaths. Subsequent chapters treat each of the three types of termination separately.

Reporting of live births is almost complete, since the states practice reciprocity in reporting. Such is not completely practiced for induced abortions. Similarly, not all natural fetal deaths are reported by the mother, especially those resulting in the early stages of gestation. The incomplete nature of the data should be kept in mind in an interpretation of the data.

A total of 136,907 pregnancy terminations was reported for Virginia residents in 1989, 2,558 more than in the previous year. This 1.9 percent increase resulted from an increase in live births and a decrease in induced abortions and natural fetal deaths.

RESIDENT PREGNANCY TERMINATIONS BY TYPE
VIRGINIA, 1980-1989

Year	Total Pregnancy Terminations	Live Births	Total Fetal Deaths	Induced Abortions	Natural Fetal Deaths
1980	114,933	78,423	36,510	30,062	6,448
1981	116,075	79,278	36,797	30,166	6,631
1982	117,565	81,098	36,467	30,012	6,455
1983	116,856	80,779	36,077	29,598	6,479
1984	120,257	82,662	37,595	30,819	6,776
1985	124,073	85,984	38,089	31,094	6,995
1986	126,499	87,125	39,374	31,977	7,397
1987	129,951	90,314	39,637	32,436	7,201
1988	134,349	92,816	41,533	33,637	7,896
1989	136,907	96,538	40,369	32,584	7,785

The 40,369 fetal deaths of all types occurring to Virginia residents in 1989 represented a decrease of 1,164, or 2.8 percent, from the previous year. All fetal deaths reported for white residents decreased 3.0 percent and fetal deaths for nonwhites decreased 2.3 percent. Induced abortions accounted for 80.7 percent of all fetal deaths.

For females in the under 15 age group, there were more induced abortions than live births. The largest age-specific rates for births and natural fetal deaths were in the 25-29 year age group. For total pregnancy terminations and for induced abortions the highest rates were in the 20-24 year age group.

**PREGNANCY TERMINATIONS, LIVE BIRTHS, ALL FETAL DEATHS,
INDUCED ABORTIONS AND NATURAL FETAL DEATHS PER 1,000 FEMALES BY AGE
VIRGINIA, 1989**

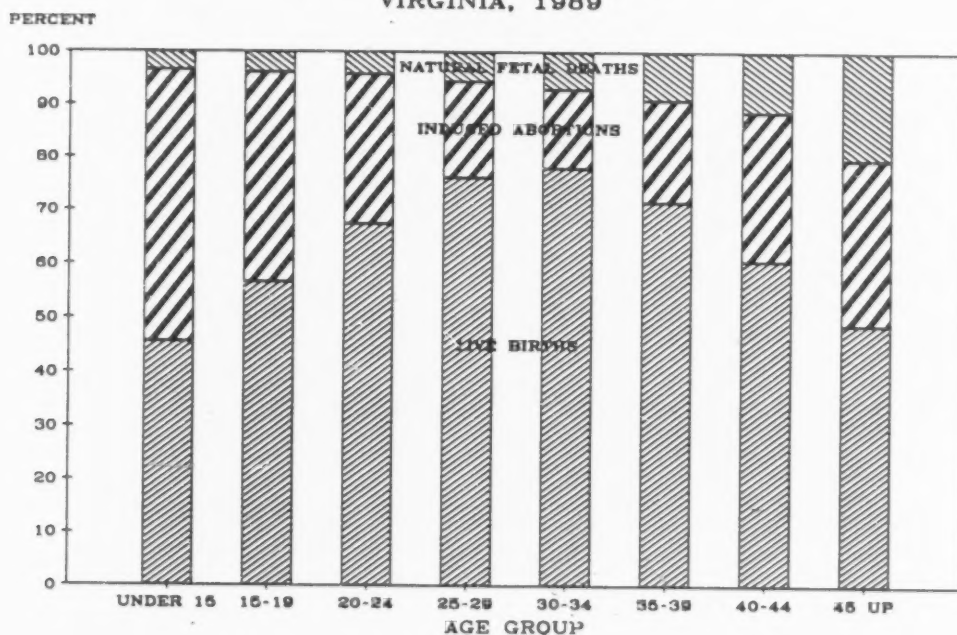
Age	Total Pregnancy Terminations	Live Births	Total Fetal Deaths	Induced Abortions	Natural Fetal Deaths
TOTAL*	92.0	64.9	27.1	21.9	5.2
Under 15#	14.5	6.6	7.9	7.4	0.5
15-19	88.7	50.3	38.5	35.0	3.5
20-24	159.6	107.5	52.1	45.2	6.8
25-29	147.7	112.6	35.2	26.8	8.3
30-34	97.8	76.3	21.5	14.6	6.9
35-39	40.9	29.3	11.7	7.9	3.7
40-44	8.2	5.0	3.2	2.3	0.9
45 & over#	2.4	1.2	1.2	0.7	0.5

*Rates are based on population age group 15-44.

#Rates are based on population ages 14 or 45 only.

Chart A below shows the percents that live births, induced abortions, and natural fetal deaths were of total pregnancies by five-year age groups in 1989.

Chart A
PERCENT TERMINATION TYPE OF TOTAL PREGNANCIES
BY FIVE-YEAR AGE GROUPS
VIRGINIA, 1989



Data Tables. Detailed data on total pregnancies are given in Data Tables 5 and 24 and on teenage pregnancies in Data Table 28.

CHAPTER III

RESIDENT LIVE BIRTHS

Virginia resident live births numbered 96,538 in 1989, representing a 4.0 percent increase over the 92,816 figure for 1988. The birth rate was 16.0 per 1,000 estimated population in 1989, resulting in an increase over the 1988 rate, 15.6. The comparable preliminary birth rate for the United States was 16.2 per 1,000 population in 1989.

BIRTHS AND BIRTH RATES WITH PERCENT CHANGE VIRGINIA, 1985-1989

Year	Births	Percent Change	Birth Rate	Percent Change
1985	85,984	4.0	15.0	1.4
1986	87,125	1.3	15.0	0.0
1987	90,314	3.7	15.4	2.7
1988	92,816	2.8	15.6	1.3
1989	96,538	4.0	16.0	2.6

Race and Age of Mother. Of the 96,538 infants born to Virginians in 1989, nearly three-fourths (73.0 percent) were white. However, the nonwhite fertility rate (76.4) was 14.9 per 1,000 females 15-44 higher than the white rate of 61.5. White births increased in 1989 by 2,260, or 3.3 percent, over 1988. Nonwhite births increased by 1,462, or 5.9 percent.

RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE WITH AGE SPECIFIC RATES PER 1,000 FEMALES, VIRGINIA, 1989

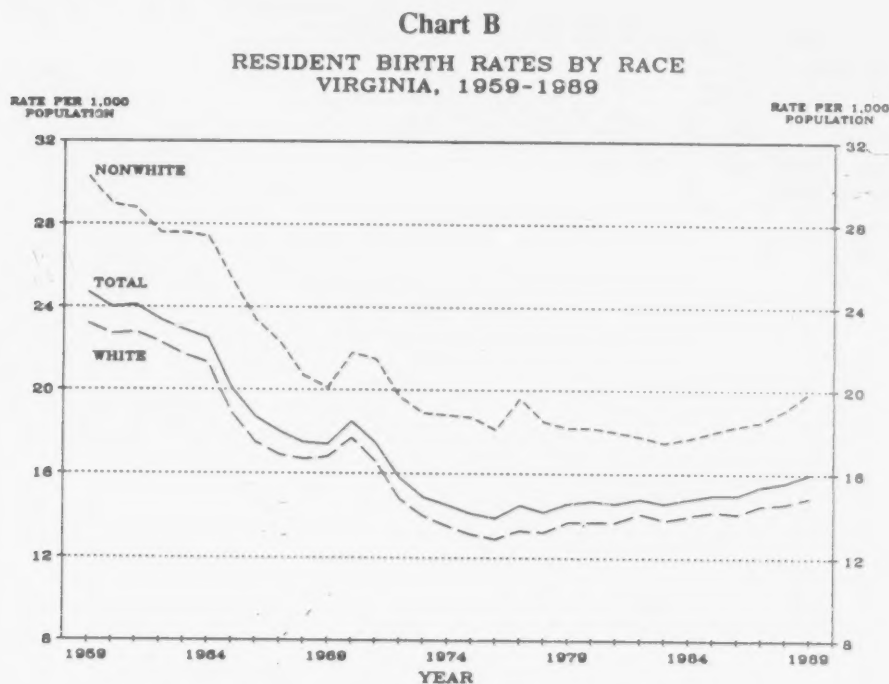
Age	Number of Births			Rates per 1,000 Females		
	Total	White	Nonwhite	Total	White	Nonwhite
Total*	96,538	70,482	26,056	64.9	61.5	76.4
Under 15#	258	75	183	6.6	2.6	17.7
15-19	11,090	6,365	4,725	50.3	38.5	85.5
20-24	25,581	17,242	8,339	107.5	95.2	146.8
25-29	30,098	23,012	7,086	112.6	112.0	114.6
30-34	20,800	16,719	4,081	76.3	80.2	63.7
35-39	7,471	6,066	1,405	29.3	30.5	24.9
40-44	1,162	943	219	5.0	5.0	4.7
45 & over#	43	37	6	1.2	1.2	0.9
Not stated	35	23	12			

*Rates are based on population age group 15-44.

#Rates are based on population ages 14 and 45 only.

The largest number of births (30,098) occurred in the age group 25-29. It was also the age group with the highest age specific rate (112.6 per 1,000 females). For whites the highest race/age specific rate was 112.0 for ages 25-29, but for nonwhites the highest rate (146.8) occurred for ages 20-24.

Chart B below shows the course of the Virginia birth rate per 1,000 population by race for the period 1959-1989. The downward trend in the rate appears to have been reversed for the white race since 1976 and for the nonwhite race since 1983.



Median Age and Live Birth Order. The median age for all mothers having live births was 26.9 in 1989, an increase of 1.5 years over the 1980 median age of 25.4. For white and nonwhite mothers, the median age continued to increase in 1989 to 27.5 and 24.9, respectively.

MEDIAN AGE AT BIRTH FOR ALL BIRTHS AND FIRST BIRTHS BY RACE
VIRGINIA, 1980-1989

Year	Total	All Births		Total	First Births	
		White	Nonwhite		White	Nonwhite
1980	25.4	26.0	23.7	23.2	23.8	21.1
1981	25.5	26.1	23.8	23.4	24.0	21.4
1982	25.7	26.2	24.0	23.5	24.1	21.6
1983	25.9	26.5	24.2	23.7	24.3	21.7
1984	26.1	26.7	24.3	23.9	24.6	22.0
1985	26.3	26.8	24.4	24.1	24.7	22.2
1986	26.4	26.9	24.5	24.2	24.8	22.2
1987	26.6	27.2	24.6	24.4	25.1	22.5
1988	26.8	27.4	24.8	24.7	25.4	22.7
1989	26.9	27.5	24.9	24.7	25.5	22.6

For mothers having their first child, the median age has also been steadily increasing from 23.2 in 1980 to 24.7 in 1989. For white mothers having their first child, the median age increased by 1.7 years since 1980 and for nonwhite mothers by 1.5 years. In 1989, the median age for white mothers was higher than that for nonwhite mothers at all birth orders.

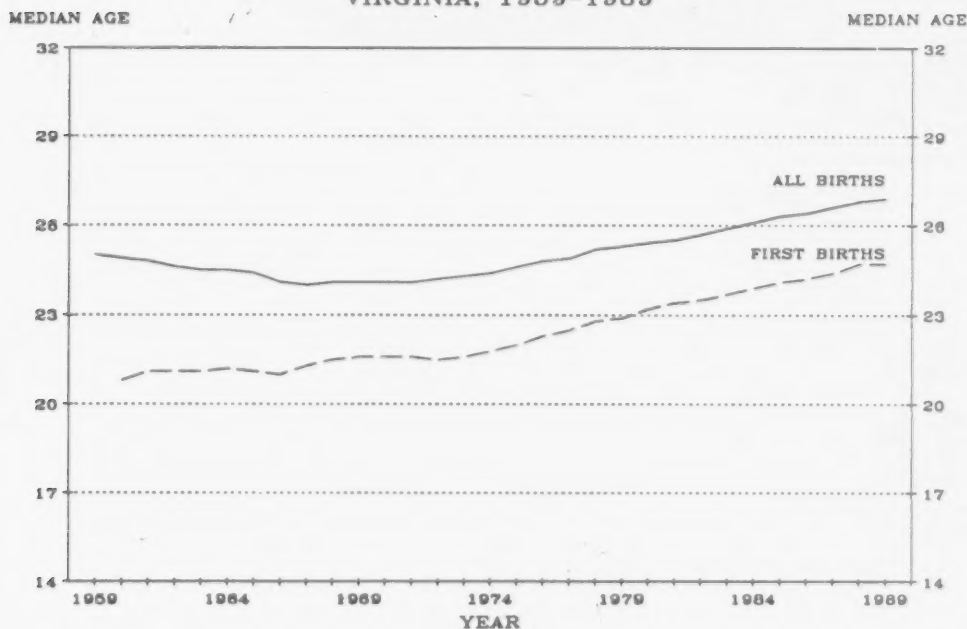
**MEDIAN AGE OF MOTHER FOR EACH BIRTH ORDER BY RACE
VIRGINIA, 1989**

Race	Total	Birth Order									
		1	2	3	4	5	6	7	8	9	10 +
Total	26.9	24.7	27.6	29.0	30.2	31.4	32.7	33.9	35.9	35.6	40.0
White	27.5	25.5	28.2	29.9	31.3	32.7	33.9	34.6	36.9	36.8	41.1
Nonwhite	24.9	22.6	25.7	27.0	27.9	29.0	30.4	33.2	33.8	34.4	33.9
Years white median age greater than nonwhite	2.6	3.0	2.5	2.9	3.4	3.7	3.5	1.4	3.1	2.4	7.2

Chart C below shows the median age of mother at birth for all births and for first births for the period 1959-1989. The trend has been upward for first births since 1966 and upward for all births since 1971.

Chart C

**MEDIAN AGE OF MOTHER AT BIRTH
ALL BIRTHS AND FIRST BIRTHS
VIRGINIA, 1959-1989**



Education of Mother. A total of 78,097, or 80.9 percent, of the 1989 Virginia mothers were at least high school graduates. Of this number, 21,381 had completed four or more years of college. For 967 (1.0 percent) of the mothers, education did not extend beyond the sixth grade level. For mothers having their first birth, 81.7 percent had completed at least high school and 23.8 percent had completed four years of college.

**EDUCATION OF MOTHER
WITH PERCENT COMPLETING EACH GRADE LEVEL
FOR ALL BIRTHS AND FIRST BIRTHS, VIRGINIA, 1989**

Highest Grade Completed	All Births		First Births	
	Number	Percent	Number	Percent
Total	96,538	100.0	42,486	100.0
Elementary				
0-6	967	1.0	346	0.8
7-8	2,337	2.4	991	2.3
High School				
9-11	14,634	15.2	6,249	14.7
12	37,231	38.6	16,032	37.7
College				
1-3	19,485	20.2	8,555	20.1
4+	21,381	22.1	10,125	23.8
Unknown	503	0.5	188	0.4

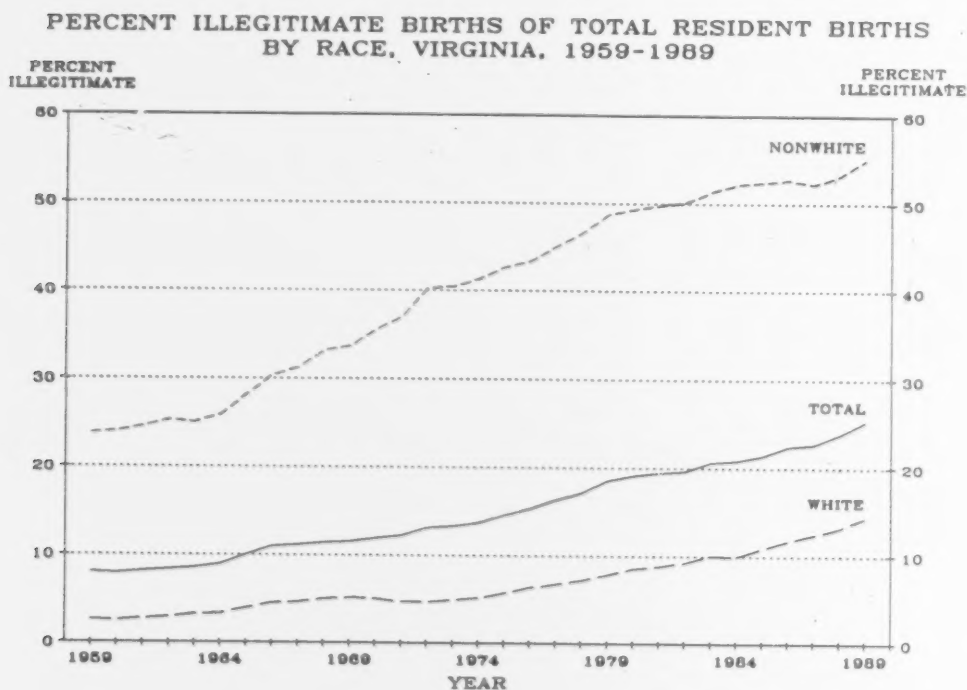
Illegitimate Births. There was an increase of 2,318, or 10.5 percent, in the number of illegitimate births in 1989. This resulted in an illegitimate birth rate of 252.6 per 1,000 live births. Both the illegitimate birth number and illegitimate birth rate for 1989 were the highest on record. The number of illegitimate births increased by 11.9 percent for whites, and by 9.6 percent for nonwhites. However, the nonwhite rate of 549.9 illegitimate births per 1,000 live births was considerably higher than the comparable white rate of 142.8.

**RESIDENT ILLEGITIMATE BIRTHS WITH RATES
PER 1,000 LIVE BIRTHS BY YEAR, VIRGINIA, 1980-1989**

Year	Total Live Births	Illegitimate Live Births	Rates per 1,000 Live Births
1980	78,423	14,995	191.2
1981	79,278	15,353	193.7
1982	81,098	15,923	196.3
1983	80,779	16,627	205.8
1984	82,662	17,197	208.0
1985	85,984	18,421	214.2
1986	87,125	19,493	223.7
1987	90,314	20,515	227.2
1988	92,816	22,072	237.8
1989	96,538	24,390	252.6

Chart D below depicts the trends in the percent of total births illegitimate for the period 1959-1989. The trend is upward for both the white and the nonwhite races, with the level for the nonwhite higher than the level for the white.

Chart D



Sex Ratios. As usual, the male births (49,336) outnumbered the female births (47,202). The resulting ratio was 104.5 males to every 100 females.

The frequency of males to females was also greater for infant deaths, for natural fetal deaths where sex was indicated, and for births with congenital malformations. The male-to-female ratio was higher for whites than nonwhites for live births, infant deaths, and congenital malformations, and only slightly lower for natural fetal deaths.

**RATIO OF MALES PER 100 FEMALES FOR SPECIFIED VITAL EVENTS
VIRGINIA, 1989**

Vital Event	Total	White	Nonwhite
Live Births	104.5	105.1	102.8
Infant Deaths	132.0	150.5	113.9
Natural Fetal Deaths	139.6	139.5	139.8
Congenital Malformations	134.2	136.1	130.2

Attendant at Birth. The percentage of total births occurring in hospitals in 1989 was 99.4, up from 99.2 for 1988. In 1989, for white births, the percentage in hospitals was 99.4; for nonwhite births, the percentage was 99.5. An additional 184 births were attended by physicians out of the hospital. For white and nonwhite births, the numbers attended by "midwives or others" were 341 and 31, respectively.

Low Weight Births. During 1989, low weight births (weighed 2,500 grams or less at birth regardless of gestation) accounted for 6,941, or 7.2 percent, of total live births. The nonwhites exhibited a much higher percentage of low weight births, with 11.8 percent compared to 5.5 percent low weight births for whites.

**PERCENT LOW WEIGHT OF RESIDENT BIRTHS BY RACE
VIRGINIA, 1985-1989**

Year	Low Weight Births			Total	Percent	
	Total	White	Nonwhite		White	Nonwhite
1985	6,070	3,597	2,473	7.1	5.6	11.2
1986	6,207	3,659	2,548	7.1	5.7	11.2
1987	6,355	3,713	2,642	7.0	5.6	11.3
1988	6,628	3,760	2,868	7.1	5.5	11.7
1989	6,941	3,866	3,075	7.2	5.5	11.8

**NUMBER AND PERCENT OF BIRTHS ACCORDING TO
WEIGHT GROUP BY RACE, VIRGINIA, 1989**

Birth Weight	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	96,538	100.0	70,482	100.0	26,056	100.0
<u>Low Weight</u>	<u>6,941</u>	<u>7.2</u>	<u>3,866</u>	<u>5.5</u>	<u>3,075</u>	<u>11.8</u>
< 501 grams	176	0.2	79	0.1	97	0.4
501-1500 grams	1,197	1.2	572	0.8	625	2.4
1501-2500 grams	5,568	5.8	3,215	4.6	2,353	9.0
<u>Full Weight</u>	<u>89,344</u>	<u>92.5</u>	<u>66,434</u>	<u>94.3</u>	<u>22,910</u>	<u>87.9</u>
2501-3500 grams	50,144	51.9	34,126	48.4	16,018	61.5
3501-4500 grams	37,375	38.7	30,698	43.6	6,677	25.6
> 4500 grams	1,825	1.9	1,610	2.3	215	0.8
Unknown	253	0.3	182	0.3	71	0.3

The percentage of total births that were low weight was highest at birth order 7 plus. Birth order 7 plus had the highest percentage of low weight deliveries for white mothers; for nonwhite mothers, the percentage was the highest for birth order 4. At all birth orders, the relative frequency of low weight births was significantly higher among nonwhite than white mothers.

**PERCENT LOW WEIGHT OF TOTAL BIRTHS BY BIRTH ORDER
BY RACE, VIRGINIA, 1989**

Race	Total	Birth Order						
		1	2	3	4	5	6	7 +
Total	7.2	7.4	6.2	7.4	9.1	11.5	10.0	11.8
White	5.5	5.9	4.8	5.5	5.6	7.5	7.7	9.6
Nonwhite	11.8	11.9	10.4	11.8	15.4	17.1	13.2	14.5

In 1989, the percentage of low weight live births was highest for mothers 45 years of age and over, both white and nonwhite. For all age groups, nonwhite mothers had a higher percentage of low weight births than white mothers.

**PERCENT LOW WEIGHT OF TOTAL BIRTHS BY AGE OF MOTHER
BY RACE, VIRGINIA, 1989**

Race	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	7.2	14.0	9.9	7.5	6.5	6.2	7.2	7.5	16.3
White	5.5	9.3	7.6	5.5	5.0	5.1	6.0	6.9	13.5
Nonwhite	11.8	15.8	13.0	11.6	11.6	10.8	12.3	10.0	33.3

Plural Births. There were 2,299 plural live births to Virginia residents in 1989: 2,204 twins, 91 triplets, and 4 quadruplets. Additionally, 96 twins and 14 triplets were reported as natural fetal deaths.

Among live births, a much higher percentage (52.5) low weight existed for plural births than for single births (6.1). For nonwhite plural births, the percent low weight was 62.6, and for white plural births it was 48.5.

**PLURAL BIRTHS AND LOW WEIGHT PLURAL BIRTHS
WITH PERCENT LOW WEIGHT BY RACE, VIRGINIA, 1989**

Event	Total	White	Nonwhite
Plural births	2,299	1,646	653
Plural low weight births	1,208	799	409
Percent low weight	52.5	48.5	62.6

For every 1,000 live births among nonwhite women, there were 25.1 plural births, while for every 1,000 live births among white women, there were 23.4 plural births. The comparative rates for 1988 were 26.4 and 21.8, respectively.

Prenatal Care. In 1989, 76,305 mothers, or 79.0 percent, began prenatal care in the first trimester of pregnancy. At least 97.7 percent of the mothers had seen a physician prior to delivery. Only 1,509, or 0.7 percent, of the mothers received no prenatal care. Care status for 682 mothers was unknown.

Of the mothers who had completed at least 12 years of schooling, 83.6 percent began prenatal care in the first trimester of pregnancy. Only 51.7 percent of the 967 mothers with fewer than seven years of education began care as early. The percentage of mothers who completed at least their high school education but who received no prenatal care was 1.0, while the comparable percentage for mothers with fewer than seven years of school was 4.4.

The 30-34 age group had the highest percentage of mothers, 88.5 percent, who received prenatal care in the first trimester of pregnancy. Of the mothers who were under 15 years of age, only 39.9 percent received prenatal care in the first trimester. The percentage of mothers receiving no prenatal care was highest for those under 15.

**PERCENTAGE DISTRIBUTION OF RESIDENT BIRTHS BY AGE OF MOTHER
BY TRIMESTER PRENATAL CARE BEGAN, VIRGINIA, 1989**

Trimester Care Began	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
First trimester	79.0	39.9	56.5	72.3	84.4	88.5	88.2	85.3	86.0
Second trimester	15.6	39.9	32.0	20.4	11.8	8.9	8.8	10.4	9.3
Third trimester	3.1	12.0	7.3	4.3	2.1	1.3	1.7	1.8	2.3
None	1.6	7.0	3.2	2.3	1.1	0.8	0.7	1.6	2.3
Unknown	0.7	1.2	1.0	0.8	0.6	0.6	0.6	0.9	0.0

Of the Virginia women giving birth in 1989, 60.3 percent saw a physician 10 to 14 times during pregnancy. The median number of prenatal visits was 12.1. There were 413 mothers who were seen by a physician 30 or more times.

Events of Labor and Delivery. One or more events of labor and delivery were indicated for 31,213, or 32.3 percent, of mothers having live births. Mothers in the 20-24 age group had the lowest percentage of events of labor and delivery, 31.9 percent, while mothers age 40-44 had the highest percentage of events, 38.0 percent.

**EVENTS OF LABOR AND DELIVERY BY AGE OF MOTHER
VIRGINIA, 1989**

Events of Labor and Delivery	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 +
Unduplicated Count of Events	31,213	83	3,558	8,156	9,664	6,712	2,571	442	16
Percent of Births	32.3	32.2	32.1	31.9	32.1	32.3	34.4	38.0	37.2

Of the mothers receiving prenatal care, 32.3 percent had events of labor and delivery and 35.0 percent of those who received no prenatal care had events reported. Mothers with births occurring in birth order one had the highest percentage of births with events of labor and delivery, 38.6 percent. The lowest percentage of births with events of labor and delivery, 26.6 percent, occurred in birth order three.

**EVENTS OF LABOR AND DELIVERY BY BIRTH ORDER
VIRGINIA, 1989**

Count of Events	Total	1	2	3	Birth Order		6	7	8+	Unk
					4	5				
Unduplicated Count	31,213	16,416	8,859	3,794	1,340	423	177	58	56	90
Percent of Births	32.3	38.6	27.3	26.6	28.9	29.6	32.2	27.9	32.4	
<u>Duplicated Count</u>	<u>39,583</u>	<u>21,419</u>	<u>10,954</u>	<u>4,572</u>	<u>1,645</u>	<u>508</u>	<u>224</u>	<u>75</u>	<u>75</u>	<u>111</u>
Placenta Previa	466	158	184	70	37	12	3	1		1
Abruptio Placenta	558	227	190	90	31	15	1	4		
Other Excessive Bleeding	510	240	166	63	26	8	2	1		4
Breech/Malpresentation	3,530	1,811	1,016	446	160	42	30	9	11	5
Cephalopelvic Disproportion	4,292	3,164	834	207	54	12	4	1	3	13
Meconium, Moderate/Heavy	11,066	5,891	3,101	1,326	484	145	55	16	17	31
Premature Rupture of Membrane	2,759	1,506	764	296	119	39	17	8	5	5
Febrile	1,328	937	246	99	25	7	5	4	2	3
Precipitous Labor	3,922	2,083	1,045	483	179	69	33	5	10	15
Prolonged Labor	775	588	113	48	16	6	1	1		2
Cord Prolapse	240	107	64	40	18	4	1	4		2
Anesthetic Complications	48	24	20	3	1					
Other Complications	10,089	4,683	3,211	1,401	495	149	72	21	27	30

Congenital Anomalies. In 1989, there were 1,609 infants born with one or more congenital anomalies reported, or 1.7 percent of total live births. Congenital anomalies, other than those listed, were reported for 41.4 and 52.0 percent of whites and nonwhites, respectively. Other Musculoskeletal/Integumental Anomalies was the most common anomaly reported for whites (7.9 percent), while Polydactyly/Syndactyly/Adactyly was the most common anomaly reported for nonwhites (13.5 percent). Other Circulatory/Respiratory Anomalies was second most important for both whites and nonwhites (7.5 and 7.8 percent, respectively). Other Urogenital Anomalies was in third place for whites (6.8 percent). Other Musculoskeletal/Integumental Anomalies was in third place for nonwhites (4.6 percent). Heart Malformations were 4.2 and 3.9 percent, respectively, for whites and nonwhites.

In 1989, mothers in the 45 and over age group had the highest percentage of births with anomalies reported (2.3 percent).

**CONGENITAL ANOMALIES BY AGE OF MOTHER
VIRGINIA, 1989**

Congenital Anomalies	Total	< 15	15-19	20-24	Age of Mother		35-39	40-44	45 +	Unk
					25-29	30-34				
Unduplicated Count with Anomalies	1,609	3	230	462	478	310	100	23	1	2
Percent of Births	1.7	1.2	2.1	1.8	1.6	1.5	1.3	2.0	2.3	

**NUMBER AND PERCENT OF CONGENITAL ANOMALIES BY TYPE BY RACE
VIRGINIA, 1989**

Type of Anomaly	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Unduplicated Count	1,609		1,091		518	
<u>Duplicated Count</u>	<u>1,792</u>	<u>100.0</u>	<u>1,228</u>	<u>100.0</u>	<u>564</u>	<u>100.0</u>
Anencephalus	10	0.6	5	0.4	5	0.9
Spina Bifida/Meningocele	16	0.9	12	1.0	4	0.7
Microcephalus	3	0.2	2	0.2	1	0.2
Hydrocephalus	20	1.1	16	1.3	4	0.7
Other Central Nervous System Anomalies	15	0.8	9	0.7	6	1.1
Heart Malformations	73	4.1	51	4.2	22	3.9
Other Circulatory/Respiratory Anomalies	136	7.6	92	7.5	44	7.8
Cleft Lip/Palate	83	4.6	75	6.1	8	1.4
Tracheo-Esophageal Fistula/Esophageal Atresia	8	0.4	6	0.5	2	0.4
Rectal Atresia/Stenosis	5	0.3	3	0.2	2	0.4
Other Gastrointestinal Anomalies	20	1.1	15	1.2	5	0.9
Malformed Genitalia	41	2.3	35	2.9	6	1.1
Renal Agenesis	7	0.4	5	0.4	2	0.4
Other Urogenital Anomalies	98	5.5	84	6.8	14	2.5
Clubfoot	45	2.5	35	2.9	10	1.8
Polydactyly/Syndactyly/Adactyly	120	6.7	44	3.6	76	13.5
Diaphragmatic Hernia	11	0.6	10	0.8	1	0.2
Omphalocele/Gastroschisis	21	1.2	17	1.4	4	0.7
Other Musculoskeletal/Integumental Anomalies	123	6.9	97	7.9	26	4.6
Down's Syndrome	45	2.5	37	3.0	8	1.4
Other Chromosomal Anomalies	90	5.0	69	5.6	21	3.7
Other Specified Anomalies	802	44.8	509	41.4	293	52.0

Month of Birth. An average of 264 children were born each day to Virginia residents. The daily averages by month ranged from a high of 286 in September to a low of 249 in January.

**DAILY AVERAGE OF BIRTHS BY MONTH
VIRGINIA, 1989**

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
264	249	256	264	252	256	266	278	284	286	266	263	255

Out-of-State Occurrences. In 1989, 4,996, or 5.2 percent, of the infants born to Virginia residents were born out-of-state. Of these births, 2,356, or 47.2 percent, occurred in the District of Columbia. The six areas bordering Virginia (D.C., Maryland, West Virginia, Kentucky, Tennessee, and North Carolina) accounted for 95.7 percent of Virginia's out-of-state births.

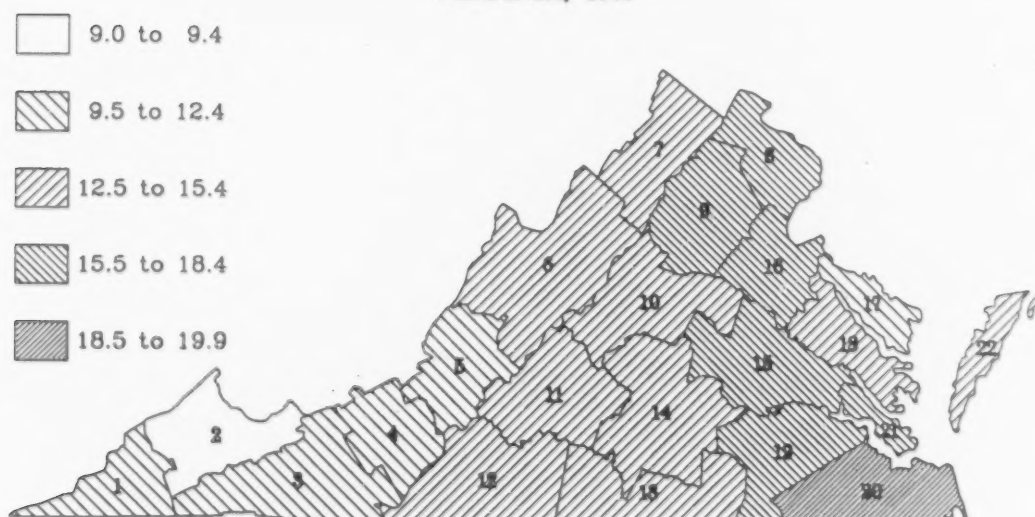
The 2,547 births occurring in Virginia to out-of-state residents represented 2.7 percent of the 94,089 live births occurring in Virginia. The states of residence most frequently recorded for these Virginia-born infants were West Virginia (766), Maryland (668), and North Carolina (622). A total of 92.2 percent of these out-of-state resident births were from the six areas bordering Virginia.

BIRTHS INVOLVING VIRGINIA AND BORDERING STATES VIRGINIA, 1989

State	Virginia residents born out-of-state		Out-of-state residents born in Virginia	
	Number	Percent	Number	Percent
Total	4,996	100.0	2,547	100.0
District of Columbia	2,356	47.2	151	5.9
Tennessee	877	17.6	38	1.5
Maryland	738	14.8	668	26.2
North Carolina	441	8.8	622	24.4
West Virginia	316	6.3	766	30.1
Kentucky	51	1.0	103	4.0
Other States	217	4.3	189	7.4
Foreign Countries			10	0.4

Data Tables. Data Tables 6-23, 25, and 28 detail live births by planning district and city or county of occurrence and/or residence, by facility of birth, and by age, race, sex, legitimacy, birth order, birth weight, events of labor and delivery, congenital anomalies, plural births, and other characteristics of the mother and the child.

RESIDENT BIRTH RATES PER 1,000 POPULATION BY PLANNING DISTRICTS VIRGINIA, 1989



SOURCE: Virginia Center For Health Statistics

CHAPTER IV

INDUCED ABORTIONS AND NATURAL FETAL DEATHS

INDUCED ABORTIONS:

During 1989, at least 32,584 Virginia residents received induced abortions, a decrease of 3.1 percent from the 1988 figure of 33,637. Although there is no regular interstate exchange of abortion information among states, some abortions for residents of Virginia that occurred in other states are included. In addition to the 31,172 Virginia resident induced abortions that occurred in the State, at least 1,412 were reported for Virginia residents in other states.

A total of 33,186 induced abortions occurred in Virginia in 1989, 2.5 percent less than in the previous year. Of these, 2,014, or 6.1 percent, were for residents of other areas.

INDUCED ABORTIONS VIRGINIA, 1989

Location	Total	White	Nonwhite
Occurring in Virginia	33,186	21,225	11,961
Residents of Virginia	31,172	20,050	11,122
Residents of other areas	2,014	1,175	839
Occurring to Virginia residents	32,584	21,116	11,468
In Virginia	31,172	20,050	11,122
Out-of-State	1,412	1,066	346

Race and Age. Almost two-thirds (64.8 percent) of the 32,584 Virginia residents known to have had induced abortions were white. The induced abortion rate per 1,000 white women aged 15-44 was 18.4, while the comparable figure for nonwhites was 33.6. The State figure for all women was 21.9 per 1,000 females aged 15-44, down from the 22.9 rate for 1988.

RESIDENT INDUCED ABORTIONS BY WOMAN'S AGE BY RACE WITH AGE SPECIFIC RATES PER 1,000 FEMALES VIRGINIA, 1989

Age	Numbers			Rates per 1,000 Females		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL*	32,584	21,116	11,468	21.9	18.4	33.6
Under 15#	288	132	156	7.4	4.6	15.1
15-19	7,713	5,211	2,502	35.0	31.5	45.3
20-24	10,765	6,840	3,925	45.2	37.8	69.1
25-29	7,176	4,542	2,634	26.8	22.1	42.6
30-34	3,970	2,560	1,410	14.6	12.3	22.0
35-39	2,025	1,361	664	7.9	6.8	11.8
40-44	535	395	140	2.3	2.1	3.0
45 & over#	27	17	10	0.7	0.6	1.4
Not stated	85	58	27			

*Rates based on population group 15-44.

#Rates based on population ages 14 and 45 only.

Age category 20-24 accounted for nearly one-third of Virginia's resident abortions. The age-specific rate for this group was 45.2 per 1,000 women. For 15-19 year olds, the age specific rate of 35.0 for 1989 decreased from the 1988 figure of 38.2. The median ages for total, white, and nonwhite groups were 23.7, 23.6 and 23.9, respectively. The median age for white and nonwhite women having induced abortions has generally gone up over the past ten years.

**MEDIAN AGES OF RESIDENT WOMEN RECEIVING
INDUCED ABORTIONS BY RACE
VIRGINIA, 1980-1989**

Year	Total	White	Nonwhite
1980	22.2	21.9	23.0
1981	22.4	22.1	23.1
1982	22.6	22.3	23.3
1983	22.9	22.8	23.3
1984	22.8	22.6	23.3
1985	23.0	22.8	23.3
1986	23.1	23.0	23.4
1987	23.4	23.4	23.5
1988	23.5	23.4	23.7
1989	23.7	23.6	23.9

Illegitimate Induced Abortions. More than four-fifths (83.7 percent) of the women receiving induced abortions in 1989 were not married to the father at the time of the abortion. The comparable figure for 1989 live births was 25.3. The percent illegitimate of induced abortions for 1989 decreased from the 1988 figure of 84.7 percent.

The percentages of induced abortions that were illegitimate were highest for the younger age groups and generally decreased as age at abortion increased. The nonwhite rates, however, were higher than the white rates at all age levels.

**RESIDENT ILLEGITIMATE INDUCED ABORTIONS BY WOMAN'S AGE
WITH PERCENT ILLEGITIMATE
VIRGINIA, 1989**

Age	Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite
Total	27,281	17,411	9,870	83.7	82.5	86.1
Under 15	284	130	154	98.6	98.5	98.7
15-19	7,461	5,006	2,455	96.7	96.1	98.1
20-24	9,383	5,901	3,482	87.2	86.3	88.7
25-29	5,612	3,465	2,147	78.2	76.3	81.5
30-34	2,790	1,753	1,037	70.3	68.5	73.5
35-39	1,359	875	484	67.1	64.3	72.9
40-44	304	222	82	56.8	56.2	58.6
45 & over	18	11	7	66.7	64.7	70.0
Not stated	70	48	22			

Gestation and Procedure. Of the 32,415 resident abortions for which the gestation period was known, at least 99.2 percent were under 20 weeks gestation. Nearly one-half (47.5 percent) were 8-9 weeks gestation. Only 0.8 percent of the induced abortions were 20 weeks or more gestation.

For 31,707, or 97.3 percent, of the induced abortions, suction curettage was the procedure used to terminate pregnancy. Sharp curettage was done for 43 terminations. Intrauterine saline instillation and intrauterine prostaglandin instillation were the methods used for 50, or 20.4 percent, of the pregnancy terminations of 20 weeks or more gestation.

**RESIDENT INDUCED ABORTIONS
PROCEDURES USED TO TERMINATE PREGNANCY BY GESTATION
VIRGINIA, 1989**

Procedure	Total	Gestation (in Weeks)							Unk
		Under 6	6-7	8-9	10-11	12-13	14-19	20 & Over	
Total	32,584	927	7,819	15,409	5,404	1,747	864	245	169
Suction Curettage	31,707	903	7,660	15,185	5,278	1,691	721	163	106
Sharp Curettage	43	5	14	9	8	4	1		2
Dilation & Evacuation	183	3	27	43	29	26	46	6	3
Intrauterine saline instillation	49				1	1	27	20	
Intrauterine prostaglandin instillation	49						16	30	3
Hysterotomy	3					1	2		
Hysterectomy	7		2	3	1			1	
Other	94	3	8	8	3	3	48	21	
Unknown	449	13	108	161	84	21	3	4	55

Place of Residence. The largest number of induced abortions (4,537) was reported for residents of Fairfax County. Following were Virginia Beach with 2,312, Richmond City with 2,076, Norfolk with 1,700, Henrico with 1,649, Alexandria with 1,594, Prince William with 1,374, Newport News with 1,214, Chesterfield with 1,146, Arlington with 1,076, and Hampton with 1,036. All other areas had less than 1,000 residents reporting induced abortions.

Data Tables. Detailed data on induced abortions are in Data Tables 5, 26, 28, and 29-30. Table 28 provides data on teenage pregnancies, including induced abortions.

NATURAL FETAL DEATHS:

Natural fetal deaths, as shown below for the years 1980-1989, are the total fetal deaths for those years less the instances where the pregnancy termination was indicated as induced.

Resident natural fetal deaths totaled 7,785 in 1989, reflecting a 1.4 percent decrease from the previous year. The rate was 80.6 per 1,000 live births.

**RESIDENT NATURAL FETAL DEATHS BY RACE
VIRGINIA, 1980-1989**

Year	Total	White	Nonwhite
1980	6,448	4,620	1,828
1981	6,631	4,835	1,796
1982	6,455	4,671	1,784
1983	6,479	4,738	1,741
1984	6,776	4,989	1,787
1985	6,995	5,186	1,809
1986	7,397	5,490	1,907
1987	7,201	5,292	1,909
1988	7,896	5,682	2,214
1989	7,785	5,749	2,036

Gestation. Only 9.6 percent of the natural fetal deaths occurred at 20 weeks or more gestation; for nonwhites, the percentage was 14.5, much higher than the comparable percentage of 7.8 for whites.

**RESIDENT NATURAL FETAL DEATHS
RACE BY LENGTH OF GESTATION
VIRGINIA, 1989**

Length of Gestation	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	7,785	100.0	5,749	100.0	2,036	100.0
Under 20 weeks	7,040	90.4	5,300	92.2	1,740	85.5
20-27 weeks	390	5.0	219	3.8	171	8.4
28 weeks & over	355	4.6	230	4.0	125	6.1

Age. The median age of women having natural fetal deaths was 28.2 in 1989, compared to 26.9 for live births and 23.7 for induced abortions. Natural fetal deaths accounted for 5.7 percent of total pregnancies that ended during 1989. This statistic ranged from 3.5 percent for the 15-19 age group to a high of 20.5 percent for women 45 and over, increasing with each age group.

**NATURAL FETAL DEATHS BY AGE
WITH PERCENT OF TOTAL PREGNANCY TERMINATIONS
VIRGINIA, 1989**

	Total	Age Group								Unk
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	
Natural Fetal Deaths										
Number	7,785	20	768	1,625	2,223	1,882	953	217	18	79
Percent of Pregnancy Terminations	5.7	3.5	3.9	4.3	5.6	7.1	9.1	11.3	20.5	

Cause. A non-specific reason was mentioned for the cause of the fetal death on 75.3 percent of these records. Of the 1,920 specified causes, ectopic pregnancy with 885 placed first. Blighted ovum (389) and conditions in the placenta (158) ranked second and third, respectively.

Data Tables. Detailed data for natural fetal deaths are in Data Tables 27-28 and 31-33.

CHAPTER V

INFANT DEATHS AND MATERNAL DEATHS

INFANT MORTALITY:

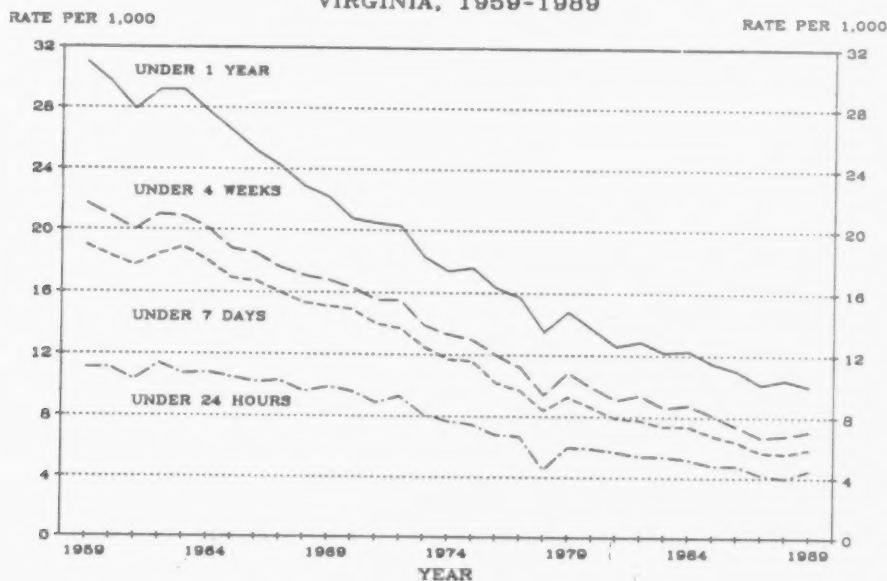
In Virginia in 1989, infant deaths decreased to 963, or 0.2 percent less than the 1988 figure of 965. The resulting rate of 10.0 was down from the 1988 rate of 10.4. The 1989 rate is the lowest ever recorded for the State. Virginia's infant mortality rate remained higher than the preliminary United States rate of 9.7.

In 1989, there were 681 neonatal deaths (infants under 28 days) resulting in a rate of 7.1 per 1,000 live births. The comparable figures for 1988 were 633 neonatal deaths with a rate of 6.8.

Chart E below shows the movement of infant mortality rates in the State for the 31-year period 1959-1989. The trend is downward for all four of the time periods used in analyzing infant mortality.

Chart E

RESIDENT INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS VIRGINIA, 1959-1989



Race. White infant deaths decreased from 549 in 1988 to 516 in 1989 and nonwhite infant deaths increased from 416 to 447. The 1989 rates of infant deaths per 1,000 live births were 7.3 and 17.2 for whites and nonwhites, respectively.

**RESIDENT INFANT DEATHS BY RACE
WITH RATES PER 1,000 LIVE BIRTHS
VIRGINIA, 1985-1989**

Year	Total		White		Nonwhite	
	Number	Rate	Number	Rate	Number	Rate
1985	990	11.5	589	9.2	401	18.2
1986	958	11.0	565	8.8	393	17.3
1987	915	10.1	539	8.1	376	16.0
1988	965	10.4	549	8.0	416	16.9
1989	963	10.0	516	7.3	447	17.2

Cause of Death. Among the 963 infant deaths for Virginia residents, 180, or 18.7 percent, were attributed to congenital anomalies; 175, or 18.2 percent to disorders relating to short gestation and low birth weight; 61, or 6.3 percent, to respiratory distress syndrome; and 106, or 11.0 percent, to sudden infant death syndrome. The remainder of the group of causes, other conditions originating in the perinatal period, accounted for 266 infant deaths.

**RESIDENT INFANT DEATHS BY CAUSE WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA AND UNITED STATES, 1989**

Cause of Infant Death	Virginia		United States*
	Number	Rate	
Total Infant Deaths	963	997.5	973.3
Certain gastrointestinal diseases (008-009, 535,555-558)	6	6.2	5.3
Pneumonia and influenza (480-487)	10	10.4	12.5
Congenital anomalies (740-759)	180	186.5	201.9
Disorders relating to short gestation and low birth weight (765)	175	181.3	98.6
Birth trauma (767)	7	7.3	4.3
Intrauterine hypoxia and birth asphyxia (768)	18	18.6	19.3
Respiratory distress syndrome (769)	61	63.2	85.3
Other conditions originating in the perinatal period (760-764,766,770-779)	266	275.5	245.0
Sudden infant death syndrome (798.0)	106	109.8	118.9
All other causes	134	138.8	182.9

* Provisional

Age at Death. In 1989, there were 437 infants who failed to survive one day and 569 who died within their first week of life. Infants who died before the age of one month (681) accounted for 70.7 percent of the total infant deaths.

**PERCENT OF TOTAL INFANT DEATHS IN EACH AGE GROUP BY RACE
VIRGINIA, 1989**

Race	Total Infant Deaths	Age at Death						
		Under 1 day	1-6 days	Under 1 week	7-27 days	Under 28 days	1-5 Mos	6-11 Mos
Total	100.0	45.4	13.7	59.1	11.6	70.7	24.2	5.1
White	100.0	42.1	16.3	58.3	12.6	70.9	24.8	4.3
Nonwhite	100.0	49.2	10.7	60.0	10.5	70.5	23.5	6.0

Data Tables. Detailed data for infant deaths are in Data Tables 34-38.

MATERNAL DEATHS:

In 1989, the deaths of six Virginia women were caused by maternal conditions, giving a rate of 6.2 maternal deaths per 100,000 live births. Both the number and rate of maternal deaths decreased over the 1988 figure of 10 deaths, or 10.8 per 100,000 live births.

**MATERNAL DEATHS BY CAUSE AND BY RACE
VIRGINIA, 1989**

Cause of Death	Total	White	Nonwhite
Total (630-676)	6	5	1
Legally Induced Abortion (635)	1	1	
Unspecified Abortion (637)	1	1	
Cardiovascular Diseases in Mother (648.6)	2	1	1
Obstetrical Pulmonary Embolism (673)	2	2	

Data Tables. Data for maternal deaths are under ICD codes 630-676. They are found in Data Tables 40-41 and 45-46.

CHAPTER VI

RESIDENT DEATHS AND CREMATATIONS

RESIDENT DEATHS:

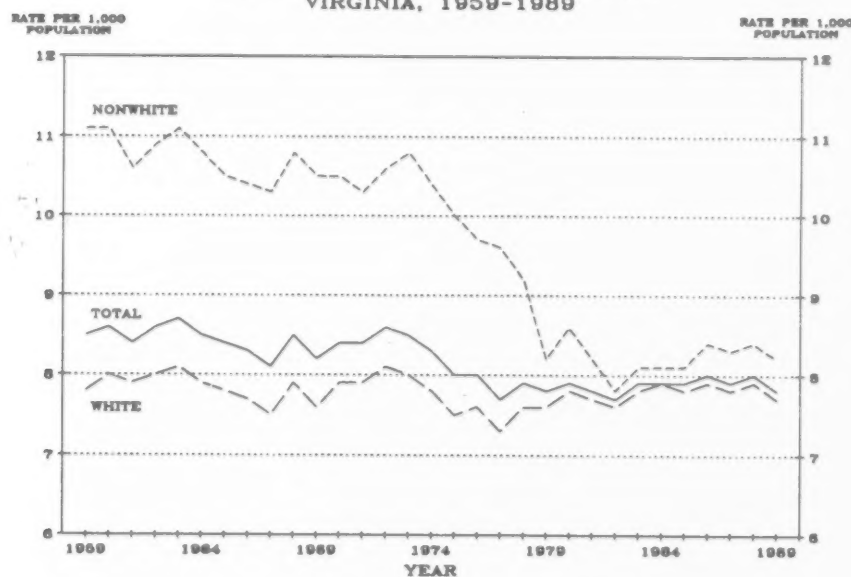
In 1989, the number of deaths for Virginia residents was 47,094, a decrease of 463, or 1.0 percent, from the 47,557 deaths reported in 1988. The resulting death rate of 7.8 per 1,000 population has changed little since 1985. The comparable provisional rate for the United States was 8.7 per 1,000 population in 1989.

NUMBER OF RESIDENT DEATHS AND DEATH RATES
PER 1,000 POPULATION BY RACE
VIRGINIA, 1985-1989

Year	Total		White		Nonwhite	
	Number	Rate	Number	Rate	Number	Rate
1985	45,236	7.9	35,331	7.8	9,905	8.1
1986	46,476	8.0	36,059	7.9	10,417	8.4
1987	46,618	7.9	36,163	7.8	10,455	8.3
1988	47,557	8.0	36,734	7.9	10,823	8.4
1989	47,094	7.8	36,393	7.7	10,701	8.2

Chart F below shows the death rate per 1,000 population in the State by race since 1959. The significant decline in the nonwhite rate and the recent stability of the total rate are striking.

Chart F
RESIDENT DEATH RATES BY RACE
VIRGINIA, 1959-1989



Median Age at Death. For all Virginia residents, the median age at death was 73.0, slightly lower than 1988. The white median age at death increased slightly over 1988 (from 74.2 to 74.3), while the nonwhite median age at death decreased (from 68.9 to 68.4). The median age for Virginia males remained at 69.7; for Virginia females it remained at 77.1.

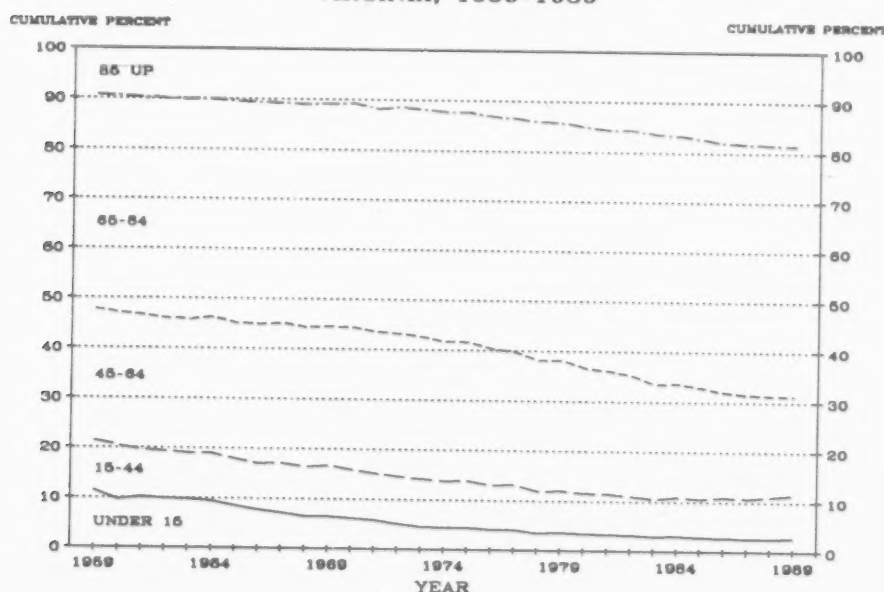
**MEDIAN AGE AT DEATH BY RACE BY SEX
VIRGINIA, 1988 AND 1989**

Sex	Total		White		Nonwhite	
	1988	1989	1988	1989	1988	1989
Total	73.2	73.0	74.2	74.3	68.9	68.4
Male	69.7	69.7	70.6	70.7	66.5	65.7
Female	77.1	77.1	78.3	78.4	72.0	71.8

Chart G below shows the cumulative percentages of deaths by selected age groups for the period 1959-1989. The percentages of total deaths accounted for by the younger age groups show a distinctly downward trend.

Chart G

**PERCENT OF RESIDENT DEATHS BY AGE GROUP
VIRGINIA, 1959-1989**



Month of Death. December had the greatest frequency of deaths (4,499), and the largest daily average (145). The lowest number of deaths occurred in June (3,551); August had the lowest daily average (117).

**DAILY AVERAGE OF RESIDENT DEATHS BY MONTH
VIRGINIA, 1989**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
129	136	142	136	127	126	118	123	117	125	127	126	145

Out-of-State Occurrences. Of the resident total deaths, 5.8 percent occurred outside the State. The District of Columbia and the states that border Virginia accounted for 85.0 percent of these deaths. Of the 2,046 deaths which occurred to out-of-state residents in Virginia, 64.9 percent involved those who were residents of the bordering areas.

**DEATHS INVOLVING VIRGINIA AND BORDERING AREAS
VIRGINIA, 1989**

Area	Virginia Residents Dying Out-of-State		Out-of-State Residents Dying in Virginia	
	Number	Percent	Number	Percent
Total	2,748	100.0	2,046	100.0
Tennessee	729	26.5	49	2.4
District of Columbia	525	19.1	86	4.2
North Carolina	446	16.2	505	24.7
West Virginia	308	11.2	453	22.1
Maryland	300	10.9	202	9.9
Kentucky	27	1.0	33	1.6
Other	413	15.0	718	35.1

Leading Causes of Death. During the past 39 years, the four leading causes of death have been diseases of heart, malignant neoplasms, cerebrovascular disease, and accidents, ranking first to fourth, respectively, each year. These four causes together accounted for more than seven out of every ten Virginia resident deaths from 1966 to 1986, dropping to 69.8 percent in 1987, to 69.3 percent in 1988, and to 69.0 in 1989.

**NUMBER AND RATE PER 100,000 POPULATION FOR THE MAJOR CAUSES OF DEATH
FOR SELECTED YEARS, VIRGINIA, 1950-1989**

Year	Diseases of Heart		Malignant Neoplasms		Cerebrovascular Diseases		All Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	9,941	299.5	3,389	102.1	3,653	110.1	2,058	62.0
1955	10,825	295.8	4,058	110.9	3,881	106.1	2,005	54.8
1960	12,512	314.1	4,730	118.8	4,153	104.3	2,000	50.2
1965	13,698	309.5	5,534	125.0	4,256	96.2	2,442	55.2
1970	14,494	310.7	6,383	136.8	4,175	89.5	2,588	55.5
1975	14,587	293.7	7,463	150.3	3,932	79.2	2,508	50.5
1980	15,733	294.3	9,139	170.9	3,750	70.1	2,450	45.8
1985	16,036	280.1	10,455	182.6	3,510	61.3	2,176	38.0
1986	15,981	275.5	10,825	186.6	3,552	61.2	2,273	39.2
1987	15,988	272.2	10,789	183.7	3,438	58.5	2,302	39.2
1988	16,143	271.4	11,088	186.4	3,516	59.1	2,212	37.2
1989	15,756	261.6	11,252	186.8	3,309	54.9	2,196	36.5

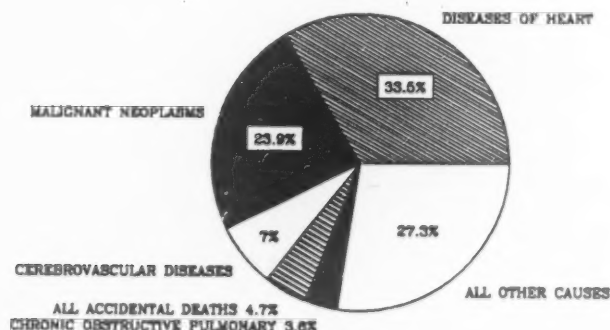
Deaths from malignant neoplasms have generally been increasing in number as well as in rate, with some decline in both in 1987—but increases since then. The respiratory system with 3,428 and the digestive organs and peritoneum with 2,526 were the sites most often reported as primary. These sites accounted for more than one-half of all resident deaths attributed to malignant neoplasms.

LEADING CAUSES OF RESIDENT DEATHS BY RACE AND SEX VIRGINIA, 1989

Cause	Total		White				Nonwhite			
	Number	Rank	Male	Rank	Female	Rank	Male	Rank	Female	Rank
<u>All Causes</u>	<u>47,094</u>		<u>18,631</u>		<u>17,762</u>		<u>5,775</u>		<u>4,926</u>	
Diseases of Heart (390-398,402,404-429)	15,756	1	6,260	1	6,214	1	1,673	1	1,609	1
Malignant Neoplasms (140-208)	11,252	2	4,573	2	4,157	2	1,422	2	1,100	2
Cerebrovascular Diseases (430-438)	3,309	3	998	4	1,590	3	303	4	418	3
Accidents, All Types (E800-E949)	2,196	4	1,047	3	546	6	427	3	176	4
Chronic Obstructive Pulmonary Diseases (490-496)	1,685	5	800	5	659	5	144	7	82	10
Pneumonia & Influenza (480-487)	1,555	6	618	6	692	4	127	8	118	7
Suicide (E950-E959)	814	7	558	7	140	11	93	10	23	16
Diabetes Mellitus (250)	788	8	242	9	274	7	110	9	162	5
Septicemia (038)	593	9	185	10	228	8	79	11	101	9
Certain Conditions Originating in the Perinatal Period (760-779)	527	10	151	13	110	13	145	6	121	6
Other Causes	8,619		3,199		3,152		1,252		1,016	

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Chart H
FIVE LEADING CAUSES OF DEATH
VIRGINIA, 1989



HIV Infection and AIDS. In 1989, the third year that separate cause of death codes were used for HIV Infection and AIDS (ICD codes 042-044), a total of 309 deaths for residents of Virginia was reported. Of these deaths, 280 or 90.6 percent were males. Most of the deaths (75.7 percent) were in the 25-44 age group which had a rate per 100,000 population of 11.5. The rate of 37.5 per 100,000 for nonwhite males aged 25-44 was the highest for the age/race/sex specific categories.

**RESIDENT DEATHS DUE TO HIV INFECTION AND AIDS (ICD CODES 042-044)
BY AGE, RACE, AND SEX, WITH RATES PER 100,000 POPULATION
VIRGINIA, 1989**

Race/Sex	Total	< 5	5-14	15-24	Age Groups			
					25-44	45-64	65-74	75 Up
Total	309	3	2	10	234	54	4	2
White Male	173	1	2	2	131	34	2	1
White Female	14	1		1	9	2	1	
Nonwhite Male	107	1		6	80	18	1	1
Nonwhite Female	15			1	14			
Total Rates	5.1	0.7	0.2	1.1	11.5	4.6	1.0	0.8
White Male	7.5	0.6	0.7	0.5	16.5	7.3	1.4	1.4
White Female	0.6	0.7	0.0	0.3	1.1	0.4	0.5	0.0
Nonwhite Male	17.0	1.9	0.0	5.2	37.5	18.7	3.2	6.5
Nonwhite Female	2.2	0.0	0.0	0.9	6.1	0.0	0.0	0.0

Accidental Deaths. Accidents were responsible for the deaths of 2,196 Virginia residents in 1989, a 0.7 percent decline from the 2,212 of 1988. The accidental death rate for 1989 was 36.5 per 100,000 population compared to the provisional United States rate of 37.2.

**RESIDENT DEATHS FROM ACCIDENTS AND CAUSES OTHER THAN ACCIDENTS
WITH PERCENTAGES OF TOTAL DEATHS IN SPECIFIED AGE GROUPS
VIRGINIA, 1989**

Age	Accidental Deaths		Non-Accidental Deaths	
	Number	Percent	Number	Percent
Total	2,196	100.0	44,898	100.0
< 1	24	1.1	939	2.1
1-4	54	2.5	99	0.2
5-14	74	3.4	129	0.3
15-24	362	16.5	449	1.0
25-44	656	29.9	2,561	5.7
45-64	400	18.2	8,928	19.9
65-74	215	9.8	11,071	24.7
75 Up	411	18.7	20,709	46.1
Unknown			13	

As in previous years, accidents was the leading cause of death for Virginians in age groups 1-4 years, 5-14 years, 15-24 years and 25-44 years. These age groups accounted for only 3,238, or 7.2 percent, of the 44,898 non-accidental deaths; but, 52.2 percent of all accidental deaths occurred in these age groups. Accidents accounted for 490, or 42.0 percent, of the 1,167 deaths of Virginians aged 1 through 24.

Males accounted for 67.1 percent of the accidental deaths compared to 51.8 percent of all deaths. White males alone were nearly one-half (47.7 percent) of the accidental death victims. For most types of accidents, males had a much higher number of deaths than females.

**RESIDENT ACCIDENTAL DEATHS
BY LEADING TYPES OF ACCIDENTS BY SEX
VIRGINIA, 1989**

Type of Accident	Total	Male	Female
<u>Total (E800-E949)</u>	<u>2,196</u>	<u>1,474</u>	<u>722</u>
Motor Vehicle (E810-E825)	1,018	709	309
Falls (E880-E888)	267	137	130
Poisoning, All Types (E850-E869)	162	118	44
Fires (E890-E899)	146	85	61
Suffocation from Inhaled or Ingested Object (E911-E912)	116	56	60
Drowning and Submersion (E910)	96	74	22
Excessive Heat, Cold, or Exposure (E900-E904)	59	38	21
Surgical and Medical Misadventures and Complications (E870-E879)	59	33	26
Machinery (E919)	44	41	3
Firearms (E922)	28	26	2
Falling or Projected Object or Caught between Objects (E916-E918)	27	27	
Water Transport (E830-E838)	25	23	2
Mechanical Suffocation (E913)	25	19	6
Aircraft (E840-E845)	14	9	5
Railway (E800-E807)	13	12	1
Electric Current (E925)	12	11	1
All other	85	56	29

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Motor vehicles, the major cause of accidental deaths, accounted for 46.4 percent of the total. Motor vehicle deaths (1,018) decreased by 0.2 percent from the 1988 figure of 1,020. Virginia's motor vehicle death rate for 1989 was 16.9 per 100,000 population compared to the United States preliminary rate of 18.9 for the same year. Of the total motor vehicle fatalities, 62.6 percent were aged 15 through 44.

The second major cause of accidental deaths was falls, representing 12.2 percent of the total. Of these deaths due to falls, 75.7 percent occurred to those who were 65 years or older.

Of the total accidental deaths, 456, or 20.8 percent, occurred on the home premises. The two principal causes for home accidents were falls (126 deaths) and fires (119 deaths), accounting for 53.7 percent of all home accidental deaths. There were 16 firearm fatalities in the home representing 57.1 percent of the total accidental deaths by this means.

Persons 65 years and older were victims in 37.5 percent of the home accident fatalities. This age group accounted for 34.5 percent of the accidental fire deaths in the home and 77.0 percent of the accidental fall deaths in the home.

CLASSIFICATION OF RESIDENT ACCIDENTAL DEATHS BY RACE VIRGINIA, 1989

Classification of Accident	Total	White	Nonwhite
<u>Total Accidental Deaths</u>	<u>2,196</u>	<u>1,593</u>	<u>603</u>
Accidental Deaths Specified as to Type:			
Motor Vehicle (E810-E825)	1,018	743	275
Other Transport (E800-E807, E826-E848)	60	50	10
Home (E850-E949, Home)	449	314	135
Other (E850-E949, Residual)	669	486	183

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Suicide. Suicide, the seventh leading cause of death in 1989, has been among the ten leading causes of death since 1966. There were 814 suicide deaths recorded for Virginia residents in 1989, resulting in an increase of 7.7 percent over the 756 occurring in 1988. Virginia's rate, 13.5 deaths per 100,000 population, was higher than the United States preliminary rate of 12.1 for 1989.

Suicides were more frequent among whites than nonwhites. While nonwhites comprised 21.7 percent of the population in 1989, only 14.3 percent of the suicidal deaths occurred in that group. Of all suicides, 68.6 percent involved white males; 17.2 percent, white females; 11.4 percent, nonwhite males; and 2.8 percent, nonwhite females.

RESIDENT SUICIDES BY AGE BY RACE AND SEX WITH RATES PER 100,000 POPULATION VIRGINIA, 1989

Race/Sex	Total	Age Groups							
		< 15	15-24	25-34	35-44	45-54	55-64	65-74	75 Up
<u>Total</u>	<u>814</u>	<u>4</u>	<u>128</u>	<u>187</u>	<u>145</u>	<u>103</u>	<u>92</u>	<u>85</u>	<u>69</u>
White Male	558	3	82	120	95	76	63	63	55
White Female	140	1	21	31	30	17	18	13	9
Nonwhite Male	93		21	28	17	9	7	8	3
Nonwhite Female	23		4	8	3	1	4	1	2
<u>Total Rates*</u>	<u>16.8</u>	<u>0.3</u>	<u>13.5</u>	<u>17.3</u>	<u>15.1</u>	<u>15.7</u>	<u>18.1</u>	<u>20.7</u>	<u>27.2</u>
White Male	30.1	0.7	22.0	28.7	25.2	28.2	32.0	44.1	79.3
White Female	7.1	0.2	6.1	7.5	7.8	6.3	8.3	6.8	6.3
Nonwhite Male	19.7	0.0	18.2	23.2	18.4	16.4	16.8	25.2	19.6
Nonwhite Female	4.4	0.0	3.6	6.4	2.9	1.6	7.7	2.3	7.5

*Rates for totals of Race/Sex groups based on ages 15 and over.

The largest number (187) of those taking their own lives occurred for the group aged 25-34 years. The greatest age specific rate, however, occurred for persons aged 75 and over. In regard to age-race-sex specific rates, white male rates were highest for all age groups. The rates for white males were much higher for groups containing ages 65 and over than for the younger groups.

In 1989, suicide was the third leading cause of death for the age group 15-24 (after accidents and homicides) and it was the fourth leading cause for the age group 25-44 (after accidents, cancer, and heart disease).

Firearms and explosives were the implements used in 69.3 percent of the suicides. Of the 564 deaths by this means, 53.7 percent were under age 45. This method was used by 420, or 75.3 percent, of the 558 white males committing suicide and by 72, or 77.4 percent, of the nonwhite males. Hanging, strangulation and suffocation, the second most used method in 1989, was responsible for 85, or 10.4 percent, of the total suicides; 64.7 percent of these were white males.

RESIDENT SUICIDES BY RACE, SEX, AND METHOD VIRGINIA, 1989

Method	Total	Race/Sex			
		White Male	White Female	Nonwh Male	Nonwh Female
Total (E950-E959)	814	558	140	93	23
Firearms and Explosives (E955)	564	420	62	72	10
Hanging, Strangulation, and Suffocation (E953)	85	55	17	9	4
Poisoning by Drugs and Medicaments (E950.0-E950.5)	71	30	36	2	3
Poisoning by Domestic and Other Gases (E951-E952)	40	28	11	1	
Submersions (Drownings) (E954)	15	6	4	3	2
Jumping from High Places (E957)	11	5	4	1	1
Cutting and Piercing Instruments (E956)	11	7	2	1	1
Poisoning by Other Solid and Liquid Substances (E950.6-E950.9)	6	2	3	1	
Other and Unspecified Means (E958)	11	5	1	3	2

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Homicides. Of the 47,094 deaths occurring to Virginia residents in 1989, homicides accounted for 1.1 percent. The 519 total homicides represented an increase of 4.6 percent over the 496 homicidal deaths in 1988. Virginia's death rate resulting from homicides, 8.6 per 100,000 population, has increased since 1987. The United States estimated rate for 1989 was 8.9.

In 1989, 228 of the homicide victims were white and 291 were nonwhite, producing rates of 4.8 and 22.3 per 100,000 population, respectively. Homicide was the fifth ranking cause of death for nonwhite males, the eleventh for nonwhite females, the twelfth for white males, and the fifteenth for white females.

Homicide was the second leading cause of death for the 15-24 age group and fifth for the 25-44 age group. The median age at death for homicide victims was 31.1 years. For white males, it was 33.8 years; for white females, 31.7 years; for nonwhite males, 29.2 years; and for nonwhite females, 31.0 years.

Firearms and explosives were the implements used in 342, or 65.9 percent, of the homicides in 1989. Assault by cutting and piercing instruments, with 79, was the second most frequently used method. Seventeen deaths were the result of injuries inflicted through legal intervention.

RESIDENT HOMICIDE DEATHS BY RACE BY METHOD VIRGINIA, 1989

Method	Total	White	Nonwh
<u>Total (E960-E978)</u>	<u>519</u>	<u>228</u>	<u>291</u>
Assault by:			
Firearms and Explosives (E965)	342	141	201
Cutting and Piercing Instruments (E966)	79	31	48
Hanging and Strangulation (E963)	18	11	7
Corrosive or Caustic Substance and Poisoning (E961-E962)	2		2
Fight, Brawl, Rape (E960)	1	1	
Submersion (Drowning) (E964)	1	1	
Other and Unspecified Means (E968)	53	28	25
Child Battering and Other Maltreatment (E967)	6	4	2
Injury Due to Legal Intervention (E970-E978)	17	11	6

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Data Tables. Detailed data for resident deaths are given in Data Tables 39-46. Table 45 gives deaths by cause of death by race by occurrence in Virginia as well as residence in Virginia. Table 46 gives deaths by cause of death by race for all cities, counties, and planning districts in the State.

RESIDENT DEATH RATES PER 1,000 POPULATION BY PLANNING DISTRICTS VIRGINIA, 1989



SOURCE: Virginia Center For Health Statistics

CREMATIONS:

In April, 1980, as required by Virginia Statute, the Department of Health began keeping information on the number of cremations that occur in Virginia. During 1989, a total of 4,910 cremations were reported by crematories registered with the Division of Vital Records, giving a ratio of 10.6 cremations per 100 deaths recorded in Virginia. Fairfax reported the largest number of cremations in 1989, 935. This figure is low, however, since Fairfax cremations for out-of-state deaths are not included. The 1989 cremation figure represents a 10.1 percent increase over the 4,460 figure for 1988.

NUMBER OF CREMATIONS BY MONTH OCCURRING IN CREMATORIES REGISTERED WITH DIVISION OF VITAL RECORDS VIRGINIA, 1989

City or County of Location	Month of Occurrence												
	Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<u>Total Cremations</u>	<u>4,910</u>	<u>415</u>	<u>416</u>	<u>449</u>	<u>394</u>	<u>396</u>	<u>401</u>	<u>371</u>	<u>417</u>	<u>422</u>	<u>384</u>	<u>349</u>	<u>496</u>
Alexandria	211	22	30	21	17	25	18	15	11	12	12	13	15
Bedford City	206	16	20	20	14	15	16	16	17	17	14	9	32
Charlottesville	132	9	12	10	9	15	9	11	8	15	10	8	16
Fairfax City	56							4	7	12	9	5	19
Fredericksburg	105	6	10	8	8	9	11	12	10	4	15	10	2
Hampton	170	18	7	22	16	13	10	12	14	17	15	14	12
Harrisonburg	180	15	8	23	16	11	15	17	8	18	17	11	21
Newport News	154	12	12	18	13	16	13	12	21	6	15	9	7
Norfolk	375	32	34	34	35	21	20	38	33	33	22	32	41
Salem	225	21	16	17	17	12	13	11	28	19	22	20	29
Virginia Beach	421	41	39	30	31	34	37	28	42	35	27	30	47
Winchester	113	11	9	12	10	8	7	5	8	15	12	5	11
Arlington	674	56	46	61	58	69	52	52	70	50	56	43	61
Clarke	63	4	4	8	5	7	4	3	5	6	7	6	4
Fairfax *	935	78	88	70	64	75	90	72	70	80	73	70	105
Goochland	375	31	27	33	31	34	31	31	21	39	28	24	45
Henrico	366	29	37	49	39	21	45	13	32	32	27	28	14
Orange	27	4	3	1	2		4	2	2	5		1	3
Prince William	95	9	8	10	8	11	3	14	7	5	3	9	8
Tazewell	27	1	6	2	1		3	3	3	2		2	4

* Does Not Include Cremations Where Deaths Occurred Out-of-State.

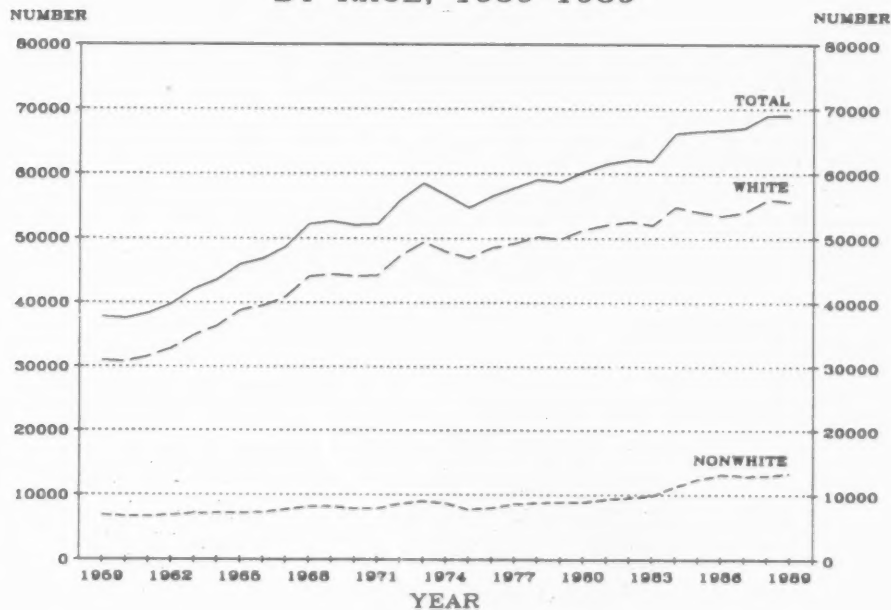
CHAPTER VII

MARRIAGES AND DIVORCES

MARRIAGES:

In 1989, 69,001 marriages were performed in Virginia, an increase of 54, or 0.1 percent, over the 68,947 marriages recorded in 1988. Chart I below shows the growth in the number of marriages by race since 1959. Virginia's rate of 11.5 per 1,000 population for 1989 was higher than the United States provisional rate of 9.7 per 1,000 population.

Chart I
MARRIAGES IN VIRGINIA
BY RACE, 1959-1989



Race. Marriages between white males and white females decreased 0.5 percent over the previous year. For marriages where both parties were black, there was an increase of 0.2 percent.

There were 2,571 interracial marriages in 1989, with 1,458 of these being between whites and blacks. A total of 1,017 involved black males and white females, and 441 were between white males and black females. There were 124 marriages recorded between persons classified as black and "other" race; while 989 involved "other" race and whites.

**MARRIAGES BY RACE AND SEX
VIRGINIA, 1989**

Race/Sex	Total	White Females	Black Females	Other Females
Total	69,001	55,908	11,395	1,698
White Males	55,647	54,554	441	652
Black Males	12,027	1,017	10,920	90
Other Males	1,327	337	34	956

Place of Residence. For 52,251 marriages (75.7 percent), both the bride and the groom were residents of Virginia. There were 3,496 marriages (5.1 percent) between resident brides and non-resident grooms, and 1,892 (2.7 percent) between non-resident brides and resident grooms.

Marriages in which both bride and groom were non-residents of Virginia numbered 11,361 in 1989, 16.5 percent of the total number of marriages performed. This was an increase of 3.0 percent over the 1988 number of 11,025. States of residence most frequently reported by non-resident brides and grooms from the same state married in Virginia were West Virginia, Pennsylvania, Maryland and North Carolina.

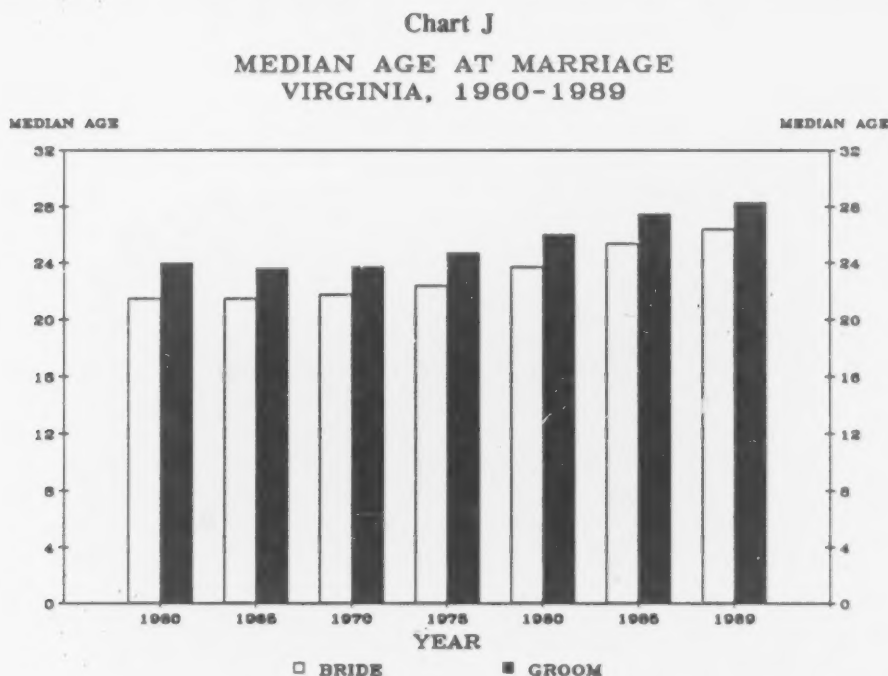
**MARRIAGES WHERE AT LEAST ONE PARTY WAS A NON-RESIDENT
BY STATE OF RESIDENCE, VIRGINIA, 1989**

State of Residence	Both From Same State	Bride's State	Groom's State
West Virginia	2,696	2,963	2,922
Pennsylvania	1,335	1,508	1,572
Maryland	1,091	1,624	1,777
North Carolina	1,054	1,341	1,628
District of Columbia	831	1,158	1,179
Ohio	635	760	795
Tennessee	342	479	554
Kentucky	252	291	332
Florida	236	366	491
New Jersey	234	308	367

Fairfax county, with 6,160, led the State in the number of marriages performed. Following in descending order were Virginia Beach (4,467), Norfolk city (3,638), Arlington county (3,335), and Alexandria (3,255). These five cities and counties accounted for 30.2 percent of the total marriages in 1989.

Age. In 1989, twenty-four was the age most frequently stated for grooms. The most frequently stated age for brides was twenty-two. Marriages involving brides under twenty-one constituted 18.7 percent of the total marriages, whereas the percent for grooms was 9.5. Couples where both parties were under twenty-one constituted 7.4 percent of the total marriages. Among the brides, 9,038, or 13.1 percent, and among the grooms, 3,648, or 5.3 percent, were teenagers. The median ages for brides and grooms married in 1989 were 26.4 and 28.3 years, respectively. Comparable 1988 median ages were 26.2 and 28.1.

Chart J below shows the median age at marriage for the bride and the groom since 1960.



Marital Status. The 35,554 first marriages for both parties in 1989 accounted for 51.5 percent of the total marriages. The median ages for brides and grooms of these marriages were 23.0 and 24.7, respectively.

Brides who were previously married represented 36.7 percent of the total brides, and previously married grooms represented 35.6 percent of the 1989 grooms. In 1988, the percentages for previously married brides and grooms were 36.9 and 35.8, respectively.

Type of Ceremony. The 42,696 religious ceremonies accounted for 61.9 percent of the total 1989 marriages. The number of civil ceremonies (26,236) increased by 2.7 percent over the 1988 figure of 25,542. Civil ceremonies accounted for 38.0 percent of the marriages in 1989.

MARRIAGE CEREMONIES, NUMBER AND PERCENT
BY TYPE OF CEREMONY, VIRGINIA, 1989

Type of Ceremony	Number	Percent
Total	69,001	100.0
Religious	42,696	61.9
Civil	26,236	38.0
Unknown	69	0.1

Month of Marriage. June, as in previous years, was the most popular month for marriages in 1989. During that month, 7,637 marriages were performed with 66.5 percent of these being religious ceremonies. September with 7,201 and May with 6,945 marriages were the second and third most popular months for marriage in 1989. The fewest marriages occurred in January with 3,349. The daily averages for the months are given in the table below.

**DAILY AVERAGE OF MARRIAGES BY MONTH
VIRGINIA, 1989**

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
189	108	141	144	192	224	255	219	204	240	193	160	186

Education. Of the 44,387 grooms marrying for the first time, 83.8 percent had completed at least 12 years of school. Among the 34,573 white grooms married for the first time, 24.6 percent had finished four or more years of college, while 15.0 percent of the 9,814 nonwhite grooms had finished four or more years of college.

Brides marrying for the first time totaled 43,561 with 85.3 percent completing at least four years of high school. White and nonwhite brides completing four or more years of college were 26.3 and 18.1 percent, respectively.

**EDUCATION OF GROOMS AND BRIDES MARRYING FOR THE FIRST TIME
PERCENT COMPLETING EACH GRADE LEVEL BY RACE, VIRGINIA, 1989**

Race	Total	Primary		Secondary		College		Unk
		0-6	7-8	9-11	12	1-3	4 Up	
Groom								
Total	100.0	1.0	2.0	13.0	43.2	18.1	22.5	0.1
White	100.0	1.2	2.1	12.9	41.4	17.7	24.6	0.1
Nonwhite	100.0	0.6	1.6	13.4	49.7	19.6	15.0	0.2
Bride								
Total	100.0	0.9	1.5	12.2	38.5	22.3	24.5	0.1
White	100.0	1.0	1.6	12.5	37.4	21.0	26.3	0.1
Nonwhite	100.0	0.4	1.2	11.1	42.3	26.7	18.1	0.2

Of the 24,546 grooms previously married, 80.3 percent completed at least 12 years of school, and 20.5 percent finished four years of college. For the 25,330 previously married brides, 81.7 percent completed at least high school and 14.2 percent finished four years of college.

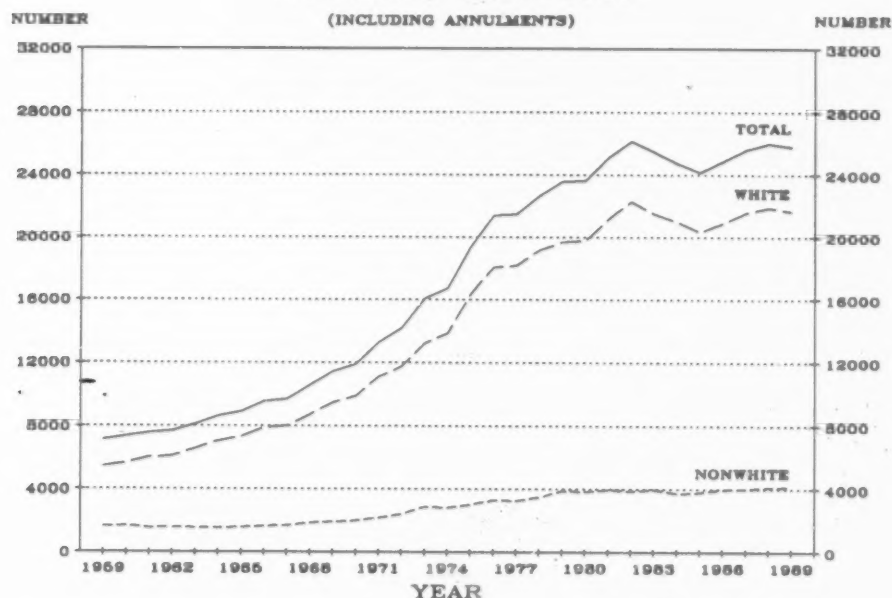
Data Tables. Detailed data for marriages may be found in Data Tables 47-50.

DIVORCES AND ANNULMENTS:

In 1989, 25,808 divorces and annulments were granted in Virginia resulting in a rate of 4.3 per 1,000 population. This was down from the 1988 rate of 4.4. Virginia's rate was still lower than the 1989 provisional rate of 4.7 for the United States.

The 1989 Virginia total represented a 0.8 percent decrease over the 26,013 divorces and annulments recorded in 1988. There was an increase between 1987 and 1989 of 0.8 percent. Chart K below shows the number of divorces and annulments in the state by race since 1959.

Chart K
DIVORCES IN VIRGINIA
BY RACE, 1959-1989



Race. There were 624 interracial divorces in 1989 with 274 separating white and black persons. Eighty-three divorces involved white males and black females, and 191 involved black males and white females. Forty-six divorces occurred for persons classified as "other" races and blacks, while 304 divorces involved whites and "other."

DIVORCES AND ANNULMENTS BY RACE AND SEX
VIRGINIA, 1989

Race/Sex	Total	White Females	Black Females	Other Females
Total	25,808	21,672	3,662	474
White Males	21,644	21,369	83	192
Black Males	3,786	191	3,564	31
Other Males	378	112	15	251

Place of Marriage. Of the total divorces and annulments, 8,344, or 32.3 percent, were granted to persons who were married outside of Virginia.

Age. In 1989, the median age at divorce for all men was 35.7 years, and 33.3 years for all women. Wives under twenty-one were involved in 2.0 percent of all divorces and annulments occurring in 1989, while only 0.5 percent of divorces involved husbands who were under twenty-one.

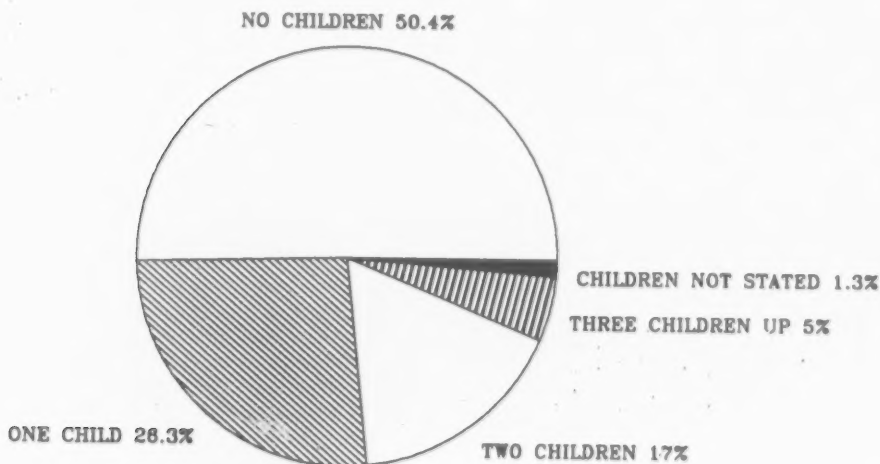
Children Under 18. In 1989, children under 18 were involved in 48.2 percent of the total divorces and annulments. There were approximately 19,681 such children, 241 less than in 1988. In 43.3 percent of the divorces the couples had one or two children, while 5.0 percent of the divorces involved couples with three or more children. Of the divorces in which the husband was white, 47.7 percent had one or more children as compared to 50.9 percent for those divorces in which the husband was nonwhite.

**DIVORCES AND ANNULMENTS WITH NUMBER OF CHILDREN IN FAMILY
BY RACE OF HUSBAND, VIRGINIA, 1989**

Children Per Family (18 years and under)	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	25,808	100.0	21,644	100.0	4,164	100.0
None	13,009	50.4	11,016	50.9	1,993	47.9
1 child	6,783	26.3	5,635	26.0	1,148	27.6
2 children	4,380	17.0	3,674	17.0	706	17.0
3 children	1,061	4.1	847	3.9	214	5.1
4 or more children	228	0.9	177	0.8	51	1.2
Children not stated	347	1.3	295	1.4	52	1.2

Chart L

**DIVORCES BY NUMBER OF CHILDREN IN FAMILY
VIRGINIA, 1989**



Grounds for Divorce. Virginia law allows divorce for only a limited number of reasons. In 1989, a total of 94.5 percent of the divorces were granted on grounds of separation for more than one year and 2.5 percent for desertion. In 57.7 percent of the cases, the divorce was granted to the wife. Annulments totaled 87 in 1989.

**NUMBER OF DIVORCES AND ANNULMENTS BY CAUSE WITH PERCENT
BY PERSON TO WHOM DIVORCE WAS GRANTED
VIRGINIA, 1989**

Cause	Total	Person to Whom Granted					
		Husband		Wife		Other/Unknown	
		Number	Percent	Number	Percent	Number	Percent
Total	25,808	10,258	39.7	14,880	57.7	670	2.6
Separation	24,397	9,812	40.2	14,005	57.4	580	2.4
Desertion	636	210	33.0	401	63.1	25	3.9
Adultery, Sodomy	290	134	46.2	150	51.7	6	2.1
Cruelty	182	22	12.1	145	79.7	15	8.2
Imprisonment	60	1	1.7	57	95.0	2	3.3
Other/Unknown	156	45	28.8	73	46.8	38	24.4
Annulments	87	34	39.1	49	56.3	4	4.6

Marital Status. Couples for which both parties were ending their first marriage accounted for 62.1 percent of the total number of divorces granted. For women getting divorced in 1989, 72.6 were ending their first marriage and 21.6, their second marriage. Comparable percentages for men getting divorced were 72.6 and 21.3.

Duration of Marriage. The median duration of marriage to separation for all divorces was 5.5 years. For divorces in which the husband was white, the median length of time from marriage to separation was 5.7 years, while for divorces in which the husband was nonwhite, the comparable length of time was 4.6 years. For 20.2 percent of the divorces, the couples separated in less than two years, 31.9 percent in 2-5 years, 17.3 percent in 6-9 years, and 29.1 percent in 10 years or more. The duration of marriage to separation was stated as unknown on 393 of the records.

Place of Divorce. The largest number of divorces and annulments were granted in Fairfax county (2,875) which includes Fairfax City and Falls Church. This area was followed by Virginia Beach (2,040), Norfolk (1,173), Prince William county (1,043) which includes Manassas and Manassas Park, and Chesterfield county (993).

Month of Divorce. June, with 2,509, was the month with the greatest frequency of divorces. Following in descending order were December (2,492), October (2,304), August (2,293), and Mar (2,239). The average numbers of divorces per day by month for 1989 are shown in the following table.

**DAILY AVERAGE OF DIVORCES AND ANNULMENTS BY MONTH
VIRGINIA, 1989**

Total	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
71	58	59	72	68	72	84	69	74	67	74	71	80

Education. Of the 25,808 husbands receiving divorces in 1989, 20,186, or 78.2 percent, had completed at least 12 years of school. Among the 21,644 white husbands, 17,156, or 79.3 percent, had finished 12 years or more of school, while only 3,030, or 72.8 percent, of the 4,164 nonwhite husbands had finished 12 years or more.

**EDUCATION OF DIVORCED HUSBANDS AND WIVES
PERCENT COMPLETING EACH GRADE LEVEL BY RACE
VIRGINIA, 1989**

Race	Total	Primary		Secondary		College		Unk
		0-6	7-8	9-11	12	1-3	4 Up	
Husband								
Total	100.0	1.9	4.3	13.4	43.1	16.2	18.9	2.1
White	100.0	1.7	4.3	12.8	42.7	16.2	20.4	1.9
Nonwhite	100.0	3.0	4.3	16.5	45.1	16.5	11.2	3.4
Wife								
Total	100.0	0.9	2.8	12.5	45.4	20.7	15.4	2.4
White	100.0	0.8	2.8	12.2	45.5	20.6	16.0	2.2
Nonwhite	100.0	1.7	2.9	13.7	45.1	21.2	12.1	3.4

Among the wives, 81.5 percent had completed 12 or more years of education. White and nonwhite wives completing 12 or more years of education were 82.1 and 78.4 percent, respectively. Education was unknown for 2.1 percent of the husbands and 2.4 percent of the wives.

Data Tables. Detailed data for divorces and annulments are in Data Tables 51-55.

CHAPTER VIII

COMMUNICABLE DISEASE

Previous issues of the Virginia Vital Statistics Annual Report have included a narrative section on communicable disease and several detailed data tables. The narrative for 1989 is not included in this issue of the Report. Data Tables 56-58 in the Report continue to provide data on selected communicable diseases for the 10-year period 1980-1989 for the State and for 1989 by planning districts and cities and counties.

Beginning with 1989, the Office of Epidemiology in the Virginia Department of Health provides a Disease Surveillance Annual Report. Interested parties may contact the office for copies of the 1989 and future reports. The address and telephone number are:

Office of Epidemiology
Virginia Department of Health
109 Governor Street, Room 701
Richmond, VA 23219

Telephone: (804) 786-6261

Data Tables

**Summary
Time Series**

**Live Births
Induced Abortions
Natural Fetal Deaths**

**Infant Deaths
Total Deaths**

**Marriages
Divorces**

Communicable Disease

TABLE 1
VITAL EVENTS, ESTIMATED POPULATION, AND BIRTH AND DEATH RATES PER 1,000
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Resident Live Births	All Fetal Deaths		Resident Deaths		Marriages & Divorces		Rates Per 1,000			Estimated Total Population
		Induced Abortions	Natural Fetal	Infant Deaths	Total Deaths	By Place of Event	By Place of Event	Live Births	Infant Deaths	Total Deaths	
STATE OF VIRGINIA	96,538	32,584	7,785	963	47,094	69,001	25,808	16.0	10.0	7.8	6,022,531
DISTRICT 1	1,220	127	19	9	957	1,318	441	11.3	7.4	8.8	108,168
LEE	334	36	3	3	279	280	103	11.7	9.0	9.8	28,608
SCOTT	258	25	1	2	234	344	108	9.9	7.8	9.0	26,092
WISE	569	62	14	4	404	633	230	11.7	7.0	8.3	48,488
NORTON	59	4	1		40	61		11.8	0.0	8.0	4,980
DISTRICT 2	1,413	123	107	17	1,135	1,855	470	9.4	12.0	7.6	150,017
BUCHANAN	349	30	36	4	249	579	105	8.7	11.5	6.2	39,894
DICKENSON	210	10	6	5	177	284	68	9.7	23.8	8.2	21,606
RUSSELL	319	35	20	4	280	320	109	9.2	12.5	8.1	34,504
TAZEWELL	535	48	45	4	429	672	188	9.9	7.5	7.9	54,013
DISTRICT 3	2,159	350	156	22	1,932	2,299	821	11.3	10.2	10.2	190,321
BLAND	66	9	5	1	60	120	28	9.4	15.2	8.5	7,026
CARROLL	301	46	25	1	249	326	141	10.4	3.3	8.6	29,014
GRAYSON	204	30	16	2	146	201	98	11.8	9.8	8.5	17,235
SMITH	396	55	22	3	394	364	177	11.5	7.6	11.4	34,484
WASHINGTON	539	102	42	10	437	538	199	10.8	18.6	8.7	50,101
WYTHE	326	77	31	4	300	374	107	12.1	12.3	11.1	26,949
BRISTOL	229	20	4	1	237	328	71	12.5	4.4	12.9	18,377
GALAX	98	11	11		109	48		13.7	0.0	15.3	7,135
DISTRICT 4	1,679	711	193	15	1,132	2,746	609	11.1	8.9	7.5	151,582
FLOYD	118	14	14	2	129	106	53	9.4	16.9	10.3	12,576
OILES	200	30	20	2	193	1,535	79	10.9	10.0	10.5	18,349
MONTGOMERY	809	429	91	4	403	605	268	11.6	4.9	5.8	69,785
PULASKI	395	74	47	5	319	380	164	10.8	12.7	8.7	36,647
RADFORD	157	164	21	2	88	120	45	11.0	12.7	6.2	14,225
DISTRICT 5	3,260	1,098	427	40	2,707	2,876	1,262	12.4	12.3	10.3	262,644
ALLEGANY	144	51	15	1	148	108	107	9.8	6.9	10.0	14,754
BOTETOURT	295	59	38	3	198	177	100	11.5	10.2	7.7	25,639
CRAIG	45	11	4	1	48	35	16	10.3	22.2	11.0	4,354
ROANOKE	706	199	96	3	650	775	313	8.8	4.2	8.1	80,284
CLIFTON FORGE	53	3	4	2	90	148	19	10.2	37.7	17.3	5,195
COVINGTON	90	4	7	4	92	317	*	11.7	44.4	12.0	7,668
ROANOKE CITY	1,608	643	236	26	1,214	900	564	16.1	16.2	12.1	100,027
SALEM	319	128	27		267	416	137	12.9	0.0	10.8	24,723
DISTRICT 6	2,864	644	205	20	2,002	2,320	834	12.9	7.0	9.0	222,443
AUGUSTA	682	236	27	4	394	452	209	13.1	5.9	7.6	52,100
BATH	64	11	7	1	55	179	23	11.6	15.6	9.9	5,537
HIGHLAND	29	3	1		46	50	5	9.1	0.0	14.5	3,176
ROCKBRIDGE	199	60	12	1	187	132	68	10.5	5.0	9.9	18,871
ROCKINGHAM	779	190	71	6	475	593	293	13.6	7.7	8.3	57,225
BUENA VISTA	96	8	11	1	66	72	28	13.7	10.4	9.4	6,991
HARRISONBURG	344	51	19	4	224	219	*	12.2	11.6	7.9	28,294
LEXINGTON	72	22	13		55	109	*	10.6	0.0	8.1	6,762
STAUNTON	297	36	40	2	290	310	114	11.9	6.7	11.6	24,946
WAYNESBORO	302	27	4	1	210	204	94	16.3	3.3	11.3	18,541
DISTRICT 7	2,215	281	227	14	1,448	3,458	700	14.9	6.3	9.7	148,616
CLARKE	153	18	12	1	125	127	47	14.2	6.5	11.6	10,803
FREDERICK	656	78	70		279	244	189	16.3	0.0	7.0	40,141
PAGE	264	39	23	3	201	204	90	12.4	11.4	9.5	21,206
SHENANDOAH	374	36	48	3	334	377	149	12.2	8.0	10.9	30,654
WARREN	398	77	35	3	245	288	113	16.3	7.5	10.1	24,348
WINCHESTER	370	33	39	4	264	2,218	112	17.2	10.8	12.3	21,464
DISTRICT 8	23,944	9,500	1,849	180	6,467	16,178	5,485	18.3	7.5	5.0	1,305,450
ARLINGTON	2,571	1,076	125	24	1,158	3,335	691	16.5	9.3	7.4	155,933
FAIRFAX	12,617	4,537	955	92	3,041	6,160	2,875	17.4	7.3	4.2	723,142
LOUDOUN	1,558	482	113	5	411	889	351	21.8	3.2	5.8	71,357
PRINCE WILLIAM	4,244	1,374	362	26	703	1,575	1,043	22.7	6.1	3.8	187,271
ALEXANDRIA	1,806	1,594	206	21	808	3,255	525	16.6	11.6	7.4	109,054
FAIRFAX CITY	289	165	17	3	118	68	*	13.8	10.4	5.6	20,960
FALLS CHURCH	126	57	10		75	40	*	13.0	0.0	7.7	9,690
MANASSAS	588	199	50	8	122	485	*	28.1	13.6	5.8	20,908
MANASSAS PARK	145	16	11	1	31	11	*	20.3	6.9	4.3	7,135
DISTRICT 9	1,789	476	146	13	964	1,233	510	16.6	7.3	9.0	107,501
CULPEPER	481	129	50	5	277	256	120	18.4	10.8	11.0	25,120
FAUQUIER	778	203	54	3	349	541	227	17.5	3.9	7.9	44,364
MADISON	158	33	8	2	98	102	46	14.2	12.7	8.8	11,110
ORANGE	293	92	26	3	191	263	92	14.2	10.2	9.3	20,626
RAPPAHANNOCK	99	19	8		49	71	25	15.8	0.0	7.8	6,281
DISTRICT 10	2,422	877	328	19	1,293	1,500	608	14.8	7.8	7.9	163,323
ALBEMARLE	965	213	97	3	386	497	247	14.3	3.1	5.7	67,676
FLUVANNA	202	44	9	2	104	87	50	17.5	9.9	9.0	11,559
GREENE	182	35	19	2	72	73	29	19.2	11.0	7.6	9,498
LOUISA	292	87	33	3	200	183	70	14.4	10.3	9.9	20,233
NELSON	164	49	13		137	111	52	13.1	0.0	10.9	12,566
CHARLOTTESVILLE	617	449	57	9	394	549	160	14.8	14.6	9.4	41,791
DISTRICT 11	2,834	798	283	24	1,977	1,773	859	13.3	8.5	9.3	213,380
AMHERST	362	127	37	2	235	244	97	12.0	5.5	7.9	30,184
APPOMATTOX	177	47	14	2	124	107	36	13.4	11.3	9.4	13,170
BEDFORD	593	95	40	2	374	343	247	13.8	3.4	8.7	43,095
CAMPBELL	653	143	55	9	360	317	240	13.1	13.8	7.2	49,994
BEDFORD CITY	66	26	13		122	21	*	10.1	0.0	18.7	6,540
LYNCHBURG	983	360	124	9	758	741	239	14.0	9.2	10.8	70,397

NOTES: Birth And Death Data Are By Place Of Residence. Abortions That Occurred To Virginia Residents In Reporting Other States Are Included.
 Birth And Total Death Rates Are Calculated Per 1,000 Estimated Population. Infant Death Rates Are Calculated Per 1,000 Live Births.
 Marriage And Divorce Data Are By Place Of The Event. The Data Include 13,250 Non-Resident Brides And 14,857 Non-Resident Grooms.
 Divorces For Cities Coded With An Asterisk Are Included In The Court For The Adjoining County.

(continued)

TABLE 1
VITAL EVENTS, ESTIMATED POPULATION, AND BIRTH AND DEATH RATES PER 1,000
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Resident Live Births	All Fetal Deaths		Resident Deaths		Marriages & Divorces		Rates Per 1,000			Estimated Total Population
		Induced Abortions	Natural Fetal	Infant Deaths	Total Deaths	By Place of Event	Marriages Divorces	Live Births	Infant Deaths	Total Deaths	
STATE OF VIRGINIA	96,538	32,584	7,785	963	47,094	69,001	25,808	16.0	10.0	7.8	6,022,531
DISTRICT 12	3,166	912	326	26	2,475	2,511	1,004	12.7	8.2	10.0	248,481
FRANKLIN	480	144	50	6	349	359	131	12.2	12.5	8.9	39,392
HENRY	773	244	63	4	452	443	302	13.3	5.2	7.8	57,967
PATRICK	167	47	10	2	197	170	72	9.1	12.0	10.7	18,328
PITTSYLVANIA	631	295	55	8	513	473	221	10.9	12.7	8.8	58,064
DANVILLE	863	116	127	4	696	629	224	15.6	4.6	12.6	55,448
MARTINSVILLE	252	66	21	2	268	437	54	13.1	7.9	13.9	19,282
DISTRICT 13	1,069	379	101	13	979	773	258	12.6	12.2	11.6	84,522
BRUNSWICK	203	71	15	4	192	141	38	12.5	19.7	11.8	16,238
HALIFAX	345	164	39	3	323	312	127	11.2	8.7	10.5	30,786
MECKLENBURG	413	106	28	5	360	267	93	13.8	12.1	12.0	30,036
SOUTH BOSTON	108	38	19	1	104	53	*	14.5	9.3	13.9	7,462
DISTRICT 14	1,197	340	94	11	949	746	280	13.7	9.2	10.9	87,236
AMELIA	136	31	11	3	74	64	35	14.3	22.1	8.1	9,125
BUCKINGHAM	178	45	7	2	135	101	34	14.2	11.2	10.8	12,523
CHARLOTTE	178	36	11	2	146	111	43	15.5	11.2	12.7	11,492
CUMBERLAND	133	25	9	1	76	56	29	15.6	7.5	8.9	8,539
LUNENBURG	148	51	16	2	143	90	41	12.0	13.5	11.6	12,287
NOTTOWAY	188	61	18	1	197	162	47	12.5	5.3	13.1	15,059
PRINCE EDWARD	236	91	22		178	162	41	13.0	0.0	9.8	18,211
DISTRICT 15	11,499	5,324	1,047	137	6,161	6,656	3,249	15.9	11.9	8.5	723,092
CHARLES CITY COUNTY	85	36	4		59	78	16	12.4	0.0	8.6	6,871
CHESTERFIELD	3,156	1,146	354	22	935	1,389	993	16.1	7.0	4.8	195,945
GOCHLAND	214	43	17	3	119	144	44	15.7	14.0	8.8	13,597
HANOVER	857	286	93	9	499	527	268	14.4	10.5	8.4	59,494
HEWICO	3,260	1,649	317	30	1,808	1,781	956	15.9	9.2	8.8	205,273
NEW KENT	147	38	15	3	83	94	44	12.9	20.4	7.3	11,411
POWHATAN	197	50	13	2	90	152	58	12.5	10.2	5.7	15,711
RICHMOND CITY	3,583	2,076	234	68	2,568	2,491	870	16.7	19.0	12.0	214,790
DISTRICT 16	2,806	845	187	20	993	1,602	720	18.2	7.1	6.4	153,999
CAROLINE	318	129	28	5	161	180	77	15.6	15.7	7.9	20,337
KING GEORGE	216	44	10	2	110	154	46	17.2	9.3	8.7	12,579
SPOTSYLVANIA	907	208	42	4	276	373	265	19.9	4.4	6.1	45,505
STAFFORD	931	252	56	6	267	501	260	16.9	6.4	4.8	55,075
FREDERICKSBURG	434	212	53	3	179	394	72	21.2	6.9	8.7	20,503
DISTRICT 17	542	166	28	12	601	413	139	12.3	22.1	13.6	44,078
LANCASTER	117	32	8	3	151	112	36	9.9	25.6	12.8	11,815
NORTHUMBERLAND	113	33	1	4	160	86	21	10.9	35.4	15.5	10,353
RICHMOND	85	32	7	1	83	57	22	11.6	11.8	11.3	7,358
WESTMORELAND	227	69	14	4	207	158	60	15.6	17.6	14.2	14,552
DISTRICT 18	954	280	67	10	766	557	302	12.9	10.5	10.4	73,961
ESSEX	101	42	4		124	67	29	10.9	0.0	13.4	9,256
GLOUCESTER	427	101	37	2	236	217	149	14.7	4.7	8.1	29,012
KING & QUEEN	97	31	5	2	82	58	14	14.6	20.6	12.4	6,623
KING WILLIAM	162	50	7	4	94	81	35	15.0	24.7	8.7	10,832
MATTHEWS	67	36	5	1	105	73	34	7.2	14.9	11.2	9,362
MIDDLESEX	100	20	9	1	125	61	41	11.3	10.0	14.1	8,876
DISTRICT 19	2,565	975	240	23	1,638	1,973	651	15.7	9.0	10.0	163,834
DINWIDDIE	280	98	26	3	189	136	90	13.0	10.7	8.8	21,527
GREENSVILLE	138	70	6	3	109	51	47	12.8	21.7	9.2	10,814
PRINCE GEORGE	407	102	31	1	118	215	109	14.2	2.5	4.1	28,676
SURRY	88	20	7		75	42	20	13.8	0.0	11.8	6,366
SUSSEX	167	51	19	2	140	80	33	16.7	12.0	14.0	10,007
COLONIAL HEIGHTS	221	83	22		176	262	80	12.6	0.0	10.1	17,492
EMPORIA	112	13	7	1	97	362	*	24.2	8.9	21.0	4,627
HOPWELL	396	153	30	3	247	277	131	16.0	7.6	10.0	24,752
PETERSBURG	756	385	92	10	496	548	141	19.1	13.2	12.5	39,573
DISTRICT 20	19,267	5,603	1,144	248	7,098	11,209	4,658	19.5	12.9	7.2	985,728
ISLE OF WIGHT	414	102	43	7	207	183	97	17.1	16.3	8.6	24,208
SOUTHAMPTON	191	40	2	3	168	165	70	10.4	15.7	9.1	18,374
CHESAPEAKE	2,613	687	173	22	999	1,169	657	18.6	8.4	7.1	140,151
FRANKLIN CITY	198	22	2		111	39	*	24.8	0.0	13.9	7,993
NORFOLK	5,435	1,700	297	88	2,241	3,638	1,173	19.8	16.2	8.2	273,935
PORTSMOUTH	2,006	524	224	27	1,071	1,066	464	17.6	13.5	9.4	113,780
SUFFOLK	863	216	97	18	560	482	157	15.8	20.9	10.2	54,723
VIRGINIA BEACH	7,547	2,312	306	83	1,741	4,467	2,040	21.4	11.0	4.9	352,564
DISTRICT 21	6,994	2,700	626	82	2,786	4,430	1,788	18.1	11.7	7.2	387,073
JAMES CITY COUNTY	423	157	30	1	190	133	120	14.1	2.4	6.3	30,047
YORK	406	104	23	4	193	300	208	9.4	9.9	4.5	43,151
HAMPTON	2,322	1,036	218	27	995	1,331	541	18.1	11.6	7.8	128,094
NEWPORT NEWS	3,516	1,214	297	47	1,235	1,946	871	21.6	13.4	7.6	163,082
POQUOSON	124	44	16		61	81	*	10.9	0.0	5.3	11,413
WILLIAMSBURG	203	145	42	3	112	639	48	18.0	14.8	9.9	11,286
DISTRICT 22	680	62	73	8	634	444	160	14.4	11.8	13.5	47,082
ACCOMACK	468	35	49	5	436	330	121	14.5	10.7	13.5	32,293
NORTHAMPTON	212	27	24	3	198	114	39	14.3	14.2	13.4	14,789
UNKNOWN											
OUT-OF-STATE		13	12			110					
						21					

NOTES: Birth And Death Data Are By Place Of Residence. Abortions That Occurred To Virginia Residents In Reporting Other States Are Included. Birth And Total Death Rates Are Calculated Per 1,000 Estimated Population. Infant Death Rates Are Calculated Per 1,000 Live Births. Marriage And Divorce Data Are By Place Of The Event. The Data Include 13,250 Non-Resident Brides And 14,857 Non-Resident Grooms. Divorces For Cities Coded With An Asterisk Are Included In The Court For The Adjoining County.

TABLE 2
PROJECTED POPULATION BY RACE
AND BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, JULY 1989

Planning District / City or County	Total	White	Nonwhite	Planning District / City or County	Total	White	Nonwhite
STATE OF VIRGINIA	6,022,531	4,715,870	1,306,661	DISTRICT 11	213,380	173,536	39,844
DISTRICT 1	108,168	106,483	1,685	ANDERST	30,184	23,940	6,244
LEE	28,608	28,453	155	APPOMATTOX	13,170	10,209	2,961
SCOTT	26,092	25,915	177	BEDFORD	43,095	39,505	3,590
WISE	48,488	47,439	1,049	CAMPBELL	49,994	43,044	6,950
NORTON	4,980	4,676	304	BEDFORD CITY	6,540	5,166	1,374
				LYNCHBURG	70,397	51,672	18,725
DISTRICT 2	150,017	147,827	2,190	DISTRICT 12	248,481	186,891	61,588
BUCHANAN	39,894	39,708	186	FRANKLIN	39,392	34,654	4,738
DICKENSON	21,606	21,474	132	HENRY	57,967	44,111	13,856
RUSSELL	34,504	34,166	338	PATRICK	18,328	16,866	1,462
TAZEWELL	54,013	52,481	1,532	PITTSYLVANIA	58,064	40,167	17,897
				DANVILLE	55,448	38,358	17,090
				MARTINSVILLE	19,282	12,737	6,545
DISTRICT 3	190,321	185,143	5,178	DISTRICT 13	84,522	48,765	35,757
BLAND	7,028	6,778	250	BRUNSWICK	16,238	6,870	9,368
CARROLL	29,014	28,873	141	HALIFAX	30,786	18,733	12,053
GRAYSON	17,235	16,635	600	MECKLENBURG	30,036	18,700	11,336
SMYTH	34,484	33,808	676	SOUTH BOSTON	7,462	4,462	3,000
WASHINGTON	50,101	49,175	926				
WYTHE	26,949	25,938	1,011	DISTRICT 14	87,236	53,949	33,287
BRISTOL	18,377	17,155	1,222	AMELIA	9,125	6,243	2,882
GALAX	7,135	6,783	352	BUCKINGHAM	12,523	7,152	5,371
				CHARLOTTE	11,492	7,491	4,001
DISTRICT 4	151,582	145,111	6,471	CUMBERLAND	8,539	4,949	3,590
FLOYD	12,576	12,249	327	LUNEBURG	12,287	7,941	4,346
GILES	18,349	17,940	409	NOTTOWAY	15,059	8,300	6,159
MONTGOMERY	69,785	67,216	2,569	PRINCE EDWARD	18,211	11,273	6,938
PULASKI	36,647	34,568	2,079	DISTRICT 15	723,092	511,687	211,405
RADFORD	14,225	13,138	1,087	CHARLES CITY COUNTY	6,871	1,320	5,551
				CHESTERFIELD	195,945	176,802	19,143
DISTRICT 5	262,644	230,415	32,229	GOOCHLAND	13,597	9,478	4,119
ALLEGHANY	14,754	14,331	423	HANOVER	59,494	53,020	6,474
BOTETOURT	25,639	24,922	717	HENRICO	205,273	161,485	43,788
CRAIG	4,354	4,344	10	NEW KENT	11,411	9,011	2,398
ROANOKE	80,284	78,143	2,141	POWhatan	15,711	12,420	3,291
CLIFTON FORGE	5,195	4,309	886	RICHMOND CITY	214,790	88,149	126,641
COVINGTON	7,668	6,442	1,226	DISTRICT 16	153,999	128,664	25,335
ROANOKE CITY	100,027	74,329	25,698	CAROLINE	20,337	11,945	8,392
SALEM	24,723	23,595	1,128	KING GEORGE	12,579	9,661	2,918
DISTRICT 6	222,443	211,697	10,746	SPOTSYLVANIA	45,505	39,717	5,788
AUGUSTA	52,100	50,085	2,015	STAFFORD	55,075	51,096	3,979
BATH	5,537	5,050	479	FREDERICKSBURG	20,503	16,245	4,258
HIGHLAND	3,176	3,159	17	DISTRICT 17	44,078	29,698	14,380
ROCKBRIDGE	18,871	18,403	468	LANCASTER	11,815	8,083	3,732
ROCKINGHAM	57,225	56,118	1,107	NORTHUMBERLAND	10,353	7,049	3,304
BUENA VISTA	6,991	6,699	292	RICHMOND	7,358	5,320	2,038
HARRISONBURG	28,294	27,140	1,154	WESTMORELAND	14,552	9,246	5,306
LEXINGTON	6,762	6,124	638	DISTRICT 18	73,961	56,342	17,619
STAUNTON	24,946	22,139	2,807	ESSEX	9,456	5,459	3,997
WAYNESBORO	18,541	16,772	1,769	GLOUCESTER	29,012	25,426	3,586
DISTRICT 7	148,616	142,091	6,525	KING & QUEEN	6,623	3,677	2,946
CLARKE	10,803	9,738	1,065	KING WILLIAM	10,832	7,220	3,612
FREDERICK	40,141	39,496	645	MATHEWS	9,362	7,984	1,378
PAGE	21,206	20,611	595	MIDDLESEX	8,876	6,576	2,300
SHENANDOAH	30,654	30,178	476	DISTRICT 19	161,834	93,078	70,756
WARREN	24,348	22,893	1,455	DINWIDDIE	21,527	14,062	7,465
WINCHESTER	21,464	19,175	2,289	GREENSVILLE	10,814	4,554	6,260
DISTRICT 8	1,305,450	1,080,568	224,882	PRINCE GEORGE	28,676	18,598	10,078
ARLINGTON	155,933	118,198	37,735	SURRY	6,366	2,622	3,744
FAIRFAX	723,142	610,175	112,967	SUSSEX	10,007	4,450	5,557
LOUDOUN	71,357	64,892	6,465	COLONIAL HEIGHTS	17,492	17,264	228
PRINCE WILLIAM	187,271	164,869	22,402	EMPORIA	4,627	2,627	2,000
ALEXANDRIA	109,054	69,841	39,213	HOPWELL	24,752	18,766	5,986
FAIRFAX CITY	20,960	18,894	2,066	PETERSBURG	39,573	10,135	29,438
FALLS CHURCH	9,690	8,614	1,076	DISTRICT 20	985,728	673,638	312,090
MANASSAS	20,908	18,545	2,363	ISLE OF WIGHT	24,208	15,786	8,422
MANASSAS PARK	7,135	6,540	595	SOUTHAMPTON	18,374	10,038	8,336
DISTRICT 9	107,501	90,294	17,207	CHESAPEAKE	140,151	97,812	42,339
CULPEPER	25,120	19,975	5,145	FRANKLIN CITY	7,993	3,472	4,521
FAUQUIER	44,364	38,392	5,972	WORFOLK	273,935	155,217	118,718
MADISON	11,110	9,154	1,956	PORTSMOUTH	113,780	56,682	57,098
ORANGE	20,626	17,010	3,616	SUFFOLK	54,723	29,853	24,870
RAPPAHANNOCK	6,281	5,763	518	VIRGINIA BEACH	352,564	304,778	47,786
				DISTRICT 21	387,073	258,199	128,874
DISTRICT 10	163,323	134,304	29,019	JAMES CITY COUNTY	30,047	22,278	7,769
ALBEMARLE	67,676	59,702	7,974	YORK	43,151	34,840	8,311
FLUVANNA	11,559	8,346	3,213	HAMPTON	128,094	75,393	52,701
GREENE	9,498	8,806	692	NEWPORT NEWS	163,082	104,693	58,389
LOUISA	20,233	14,107	6,126	POQUOSON	11,413	11,273	140
NELSON	12,566	10,280	2,286	WILLIAMSBURG	11,286	9,722	1,564
CHARLOTTESVILLE	41,791	33,063	8,728	DISTRICT 22	47,082	27,488	19,594
				ACCOMACK	32,293	19,843	12,450
				NORTHAMPTON	14,789	7,645	7,144

SOURCE: Virginia State Data Center, Virginia Employment Commission. Formerly of the Department of Planning and Budget.

TABLE 3
ESTIMATED RESIDENT POPULATION, RESIDENT BIRTHS AND DEATHS,
AND MARRIAGES AND DIVORCES PERFORMED IN THE STATE
WITH RATES PER 1,000 POPULATION BY RACE
VIRGINIA, 1969-1989

YEAR	RACE	RESIDENT BIRTHS	RESIDENT DEATHS	MARRIAGES PERFORMED	DIVORCES & ANNULMENTS	RATES PER 1,000 POPULATION				ESTIMATED POPULATION
						BIRTH	DEATH	MARRIAGE	DIVORCE	
1969	Total	83,420	39,048	52,575	11,417	17.4	8.2	11.0	2.4	4,781,175
	White	64,833	29,368	44,367	9,460	16.8	7.6	11.5	2.5	3,858,719
	Nonwhite	18,587	9,680	8,208	1,957	20.1	10.5	8.9	2.1	922,456
1970	Total	86,081	39,009	51,964	11,879	18.5	8.4	11.1	2.5	4,665,532
	White	66,657	29,618	44,066	9,880	17.7	7.9	11.7	2.6	3,772,853
	Nonwhite	19,424	9,391	7,898	1,999	21.8	10.5	8.8	2.2	892,679
1971	Total	82,713	39,464	52,158	13,261	17.5	8.4	11.1	2.8	4,714,227
	White	63,592	30,282	44,202	11,083	16.6	7.9	11.6	2.9	3,825,758
	Nonwhite	19,121	9,182	7,956	2,178	21.5	10.3	9.0	2.5	888,469
1972	Total	75,068	40,886	55,863	14,155	15.8	8.6	11.7	3.0	4,764,000
	White	57,440	31,392	47,232	11,741	14.8	8.1	12.2	3.0	3,871,370
	Nonwhite	17,628	9,494	8,631	2,414	19.7	10.6	9.7	2.7	892,630
1973	Total	71,665	41,103	58,431	16,078	14.9	8.5	12.1	3.3	4,811,000
	White	54,877	31,536	49,388	13,202	14.0	8.0	12.6	3.4	3,921,430
	Nonwhite	16,788	9,567	9,043	2,876	18.9	10.8	10.2	3.2	889,570
1974	Total	71,066	40,561	56,617	16,704	14.5	8.3	11.5	3.4	4,908,000
	White	54,248	31,298	47,882	13,871	13.5	7.8	11.9	3.5	4,015,380
	Nonwhite	16,818	9,263	8,735	2,833	18.8	10.4	9.8	3.2	892,620
1975	Total	70,032	39,543	54,688	19,361	14.1	8.0	11.0	3.9	4,966,200
	White	53,207	30,522	46,907	16,332	13.1	7.5	11.5	4.0	4,068,490
	Nonwhite	16,825	9,021	7,781	3,029	18.7	10.0	8.7	3.4	897,710
1976*	Total	69,972	40,056	56,469	21,381	13.9	8.0	11.2	4.2	5,032,300
	White	53,012	30,946	48,478	18,077	12.9	7.6	11.8	4.4	4,095,340
	Nonwhite	16,960	9,110	7,991	3,304	18.1	9.7	8.5	3.5	936,360
1977*	Total	74,246	39,744	57,778	21,459	14.5	7.7	11.3	4.2	5,134,500
	White	55,662	30,642	49,175	18,181	13.3	7.3	11.8	4.3	4,184,080
	Nonwhite	18,584	9,102	8,603	3,278	19.6	9.6	9.1	3.4	950,520
1978*	Total	73,349	40,649	58,967	22,654	14.2	7.9	11.5	4.4	5,148,100
	White	54,921	31,497	50,187	19,182	13.2	7.6	12.1	4.6	4,152,430
	Nonwhite	18,428	9,152	8,780	3,472	18.5	9.2	8.8	3.5	995,470
1979	Total	76,899	40,798	58,678	23,555	14.6	7.8	11.2	4.5	5,259,424
	White	56,736	31,749	49,775	19,678	13.7	7.6	12.0	4.7	4,152,277
	Nonwhite	20,163	9,049	8,903	3,877	18.2	8.2	8.0	3.5	1,107,147
1980	Total	78,423	42,496	60,210	23,615	14.7	7.9	11.3	4.4	5,346,279
	White	58,047	32,865	51,317	19,770	13.7	7.8	12.1	4.7	4,229,734
	Nonwhite	20,376	9,631	8,893	3,845	18.2	8.6	8.0	3.4	1,116,545
1981	Total	79,278	42,199	61,410	25,103	14.6	7.8	11.3	4.6	5,429,700
	White	58,820	32,954	52,061	21,154	13.7	7.7	12.1	4.9	4,295,733
	Nonwhite	20,458	9,245	9,349	3,949	18.0	8.2	8.2	3.5	1,133,967
1982	Total	81,098	41,897	62,099	26,138	14.8	7.7	11.4	4.8	5,461,961
	White	60,469	32,826	52,543	22,278	14.1	7.6	12.2	5.2	4,303,418
	Nonwhite	20,629	9,071	9,556	3,860	17.8	7.8	8.2	3.3	1,158,543
1983	Total	80,779	43,734	61,858	25,482	14.6	7.9	11.2	4.6	5,527,218
	White	60,086	34,112	51,984	21,503	13.8	7.8	12.0	4.9	4,346,502
	Nonwhite	20,693	9,622	9,874	3,979	17.5	8.1	8.4	3.4	1,180,716
1984	Total	82,662	44,252	66,143	24,705	14.8	7.9	11.8	4.4	5,598,403
	White	61,391	34,507	54,804	20,977	14.0	7.9	12.5	4.8	4,393,849
	Nonwhite	21,271	9,745	11,339	3,728	17.7	8.1	9.4	3.1	1,204,554
1985	Total	85,984	45,236	66,541	24,131	15.0	7.9	11.6	4.2	5,725,957
	White	63,999	35,331	54,097	20,340	14.2	7.8	12.0	4.5	4,502,420
	Nonwhite	21,985	9,905	12,444	3,791	18.0	8.1	10.2	3.1	1,223,537
1986	Total	87,125	46,476	66,666	24,875	15.0	8.0	11.5	4.3	5,800,148
	White	64,400	36,059	53,494	20,887	14.1	7.9	11.7	4.6	4,555,791
	Nonwhite	22,725	10,417	13,172	3,988	18.3	8.4	10.6	3.2	1,244,357
1987	Total	90,314	46,618	67,004	25,608	15.4	7.9	11.4	4.4	5,874,303
	White	66,885	36,163	54,058	21,573	14.5	7.8	11.7	4.7	4,609,147
	Nonwhite	23,429	10,455	12,946	4,035	18.5	8.3	10.2	3.2	1,265,156
1988	Total	92,816	47,557	68,947	26,013	15.6	8.0	11.6	4.4	5,948,376
	White	68,222	36,734	55,940	21,899	14.6	7.9	12.0	4.7	4,662,514
	Nonwhite	24,594	10,823	13,007	4,114	19.1	8.4	10.1	3.2	1,285,862
1989	Total	96,538	47,094	69,001	25,808	16.0	7.8	11.5	4.3	6,022,531
	White	70,482	36,393	55,647	21,644	14.9	7.7	11.8	4.6	4,715,870
	Nonwhite	26,056	10,701	13,354	4,164	19.9	8.2	10.2	3.2	1,306,661

* The Sum of White and Nonwhite Estimated Population is Not Equal to the Total Due to Rounding for Years 1976-1978

TABLE 4
RESIDENT ILLEGITIMATE AND LOW WEIGHT BIRTHS WITH PERCENT OF TOTAL BIRTHS
AND INFANT DEATHS UNDER 28 DAYS AND UNDER ONE YEAR
WITH RATES PER 1,000 LIVE BIRTHS
BY RACE, VIRGINIA, 1969-1989

YEAR	RACE	ILLEGITIMATE BIRTHS	LOW WEIGHT BIRTHS	INFANT DEATHS UNDER		PERCENT OF TOTAL BIRTHS		DEATH RATE PER 1,000		TOTAL LIVE BIRTHS
				28 DAYS	ONE YEAR	ILLEGITIMATE	LOW WEIGHT	< 28 DAYS	< 1 YEAR	
1969	Total	9,583	7,126	1,399	1,849	11.5	8.5	16.8	22.2	83,420
	White	3,323	4,684	963	1,231	5.1	7.2	14.9	19.0	64,833
	Nonwhite	6,260	2,442	436	618	33.7	13.1	23.5	33.2	18,587
1970	Total	10,263	7,200	1,400	1,790	11.9	8.4	16.3	20.8	86,081
	White	3,354	4,549	927	1,144	5.0	6.8	13.9	17.2	66,657
	Nonwhite	6,909	2,651	473	646	35.6	13.6	24.4	33.3	19,424
1971	Total	10,071	6,658	1,280	1,697	12.2	8.0	15.5	20.5	82,713
	White	3,004	4,284	861	1,126	4.7	6.7	13.5	17.7	63,592
	Nonwhite	7,067	2,374	419	571	37.0	12.4	21.9	29.9	19,121
1972	Total	9,806	5,956	1,161	1,524	13.1	7.9	15.5	20.3	75,068
	White	2,699	3,710	768	986	4.7	6.5	13.4	17.2	57,440
	Nonwhite	7,107	2,246	393	538	40.3	12.7	22.3	30.5	17,628
1973	Total	9,514	5,478	1,000	1,313	13.3	7.6	14.0	18.3	71,665
	White	2,707	3,471	686	872	4.9	6.3	12.5	15.9	54,877
	Nonwhite	6,807	2,007	314	441	40.5	12.0	18.7	26.3	16,788
1974	Total	9,738	5,394	947	1,236	13.7	7.6	13.3	17.4	71,066
	White	2,782	3,365	612	797	5.1	6.2	11.3	14.7	54,248
	Nonwhite	6,956	2,029	335	439	41.4	12.1	19.9	26.1	16,818
1975	Total	10,220	5,377	931	1,233	14.6	7.7	13.3	17.6	70,032
	White	3,040	3,322	600	802	5.7	6.2	11.3	15.1	53,207
	Nonwhite	7,180	2,055	331	431	42.7	12.2	19.7	25.6	16,825
1976	Total	10,703	5,274	838	1,143	15.3	7.5	12.0	16.3	69,972
	White	3,334	3,207	518	699	6.3	6.0	9.8	13.2	53,012
	Nonwhite	7,369	2,067	320	444	43.4	12.2	18.9	26.2	16,960
1977	Total	12,125	5,451	834	1,167	16.3	7.3	11.2	15.7	74,246
	White	3,742	3,287	511	724	6.7	5.9	9.2	13.0	55,662
	Nonwhite	8,383	2,164	323	443	45.1	11.6	17.4	23.8	18,584
1978	Total	12,546	5,399	693	989	17.1	7.4	9.4	13.5	73,349
	White	3,953	3,247	423	611	7.2	5.9	7.7	11.1	54,921
	Nonwhite	8,593	2,152	270	378	46.6	11.7	14.7	20.5	18,428
1979	Total	14,246	5,814	835	1,135	18.5	7.6	10.9	14.8	76,899
	White	4,417	3,461	530	712	7.8	6.1	9.3	12.5	56,736
	Nonwhite	9,829	2,353	305	423	48.7	11.7	15.1	21.0	20,163
1980	Total	14,995	5,916	779	1,075	19.1	7.5	9.9	13.7	78,423
	White	4,950	3,404	488	686	8.5	5.9	8.4	11.8	58,047
	Nonwhite	10,045	2,512	291	389	49.3	12.3	14.3	19.1	20,376
1981	Total	15,353	5,851	724	1,000	19.4	7.4	9.1	12.6	79,278
	White	5,174	3,444	443	624	8.8	5.9	7.5	10.6	58,820
	Nonwhite	10,179	2,407	281	376	49.8	11.8	13.7	18.4	20,458
1982	Total	15,923	5,944	762	1,046	19.6	7.3	9.4	12.9	81,098
	White	5,578	3,456	462	647	9.2	5.7	7.6	10.7	60,469
	Nonwhite	10,345	2,488	300	399	50.1	12.1	14.5	19.3	20,629
1983	Total	16,627	5,905	693	986	20.6	7.3	8.6	12.2	80,779
	White	6,009	3,434	387	577	10.0	5.7	6.4	9.6	60,086
	Nonwhite	10,618	2,471	306	409	51.3	11.9	14.8	19.8	20,693
1984	Total	17,197	6,036	724	1,014	20.8	7.3	8.8	12.3	82,662
	White	6,098	3,534	436	606	9.9	5.8	7.1	9.9	61,391
	Nonwhite	11,099	2,502	288	408	52.2	11.8	13.5	19.2	21,271
1985	Total	18,421	6,070	696	990	21.4	7.1	8.1	11.5	85,984
	White	6,897	3,597	414	589	10.8	5.6	6.5	9.2	63,999
	Nonwhite	11,524	2,473	282	401	52.4	11.2	12.8	18.2	21,985
1986	Total	19,493	6,207	645	958	22.4	7.1	7.4	11.0	87,125
	White	7,516	3,659	374	565	11.7	5.7	5.8	8.8	64,400
	Nonwhite	11,977	2,548	271	393	52.7	11.2	11.9	17.3	22,725
1987	Total	20,515	6,355	601	915	22.7	7.0	6.7	10.1	90,314
	White	8,293	3,713	343	539	12.4	5.6	5.1	8.1	66,885
	Nonwhite	12,222	2,642	258	376	52.2	11.3	11.0	16.0	23,429
1988	Total	22,072	6,628	633	965	23.8	7.1	6.8	10.4	92,816
	White	8,994	3,760	342	549	13.2	5.5	5.0	8.0	68,222
	Nonwhite	13,078	2,868	291	416	53.2	11.7	11.8	16.9	24,594
1989	Total	24,390	6,941	681	963	25.3	7.2	7.1	10.0	96,538
	White	10,062	3,866	366	516	14.3	5.5	5.2	7.3	70,482
	Nonwhite	14,328	3,075	315	447	55.0	11.8	12.1	17.2	26,056

TABLE 5
RESIDENT TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
WITH RATES PER 1,000 FEMALES AGED 15-44 BY RACE
VIRGINIA, 1969-1989

YEAR	RACE	TOTAL PREGNANCIES*	LIVE BIRTHS	INDUCED ABORTIONS	NATURAL FETAL DEATHS	RATES PER 1,000 FEMALES 15-44				ESTIMATED FEMALES 15-44
						TOTAL	LIVE BIRTHS	ABORTIONS	FETAL DEATHS	
1969	Total	89,801	83,420	#	6,381	90.3	83.9	#	6.4	994,800
	White	69,865	64,833	#	5,032	86.3	80.1	#	6.2	809,500
	Nonwhite	19,936	18,587	#	1,349	107.6	100.3	#	7.3	185,300
1970	Total	94,554	86,081	1,633	6,840	93.4	85.0	1.6	6.8	1,012,300
	White	73,388	66,657	1,428	5,303	89.0	80.8	1.7	6.4	825,000
	Nonwhite	21,166	19,424	205	1,537	113.0	103.7	1.1	8.2	187,300
1971	Total	92,573	82,713	3,764	6,096	88.8	79.4	3.6	5.8	1,042,200
	White	70,720	63,592	2,528	4,600	83.1	74.7	3.0	5.4	851,000
	Nonwhite	21,853	19,121	1,236	1,496	114.3	100.0	6.5	7.8	191,200
1972	Total	85,547	75,068	4,564	5,915	79.8	70.0	4.3	5.5	1,072,300
	White	64,193	57,440	2,371	4,382	73.2	65.5	2.7	5.0	877,100
	Nonwhite	21,354	17,628	2,193	1,533	109.4	90.3	11.2	7.9	195,200
1973	Total	84,373	71,665	7,136	5,572	76.6	65.0	6.5	5.1	1,102,100
	White	63,093	54,877	4,068	4,148	69.9	60.8	4.5	4.6	903,000
	Nonwhite	21,280	16,788	3,068	1,424	106.9	84.3	15.4	7.2	199,100
1974	Total	90,257	71,066	13,594	5,597	79.7	62.8	12.0	4.9	1,131,900
	White	66,896	54,248	8,437	4,211	72.0	58.4	9.1	4.5	929,000
	Nonwhite	23,361	16,818	5,157	1,386	115.1	82.9	25.4	6.8	202,900
1975	Total	92,915	70,032	17,066	5,817	80.0	60.3	14.7	5.0	1,161,760
	White	67,815	53,207	10,365	4,243	71.0	55.7	10.9	4.4	954,856
	Nonwhite	25,100	16,825	6,701	1,574	121.3	81.3	32.4	7.6	206,904
1976	Total	97,604	69,972	21,563	6,069	82.3	59.0	18.2	5.1	1,185,411
	White	70,602	53,012	13,201	4,389	72.6	54.5	13.6	4.5	972,677
	Nonwhite	27,002	16,960	8,362	1,680	126.9	79.7	39.3	7.9	212,734
1977	Total	105,831	74,246	25,399	6,186	87.2	61.2	20.9	5.1	1,213,950
	White	76,298	55,662	16,170	4,466	76.5	55.8	16.2	4.5	997,086
	Nonwhite	29,533	18,584	9,229	1,720	136.2	85.7	42.6	7.9	216,864
1978	Total	107,972	73,349	28,492	6,131	86.4	58.7	22.8	4.9	1,249,069
	White	78,953	54,921	19,642	4,390	78.5	54.6	19.5	4.4	1,006,158
	Nonwhite	29,019	18,428	8,850	1,741	119.5	75.9	36.4	7.2	242,911
1979	Total	112,559	76,899	29,455	6,205	88.2	60.2	23.1	4.9	1,276,901
	White	81,609	56,736	20,453	4,420	79.6	55.3	20.0	4.3	1,025,116
	Nonwhite	30,950	20,163	9,002	1,785	122.9	80.1	35.8	7.1	251,785
1980	Total	114,933	78,423	30,062	6,448	88.1	60.1	23.1	4.9	1,304,100
	White	83,693	58,047	21,026	4,620	80.2	55.6	20.1	4.4	1,043,500
	Nonwhite	31,240	20,376	9,036	1,828	119.9	78.2	34.7	7.0	260,600
1981	Total	116,075	79,278	30,166	6,631	87.7	59.9	22.8	5.0	1,323,000
	White	84,361	58,820	20,706	4,835	79.7	55.6	19.6	4.6	1,058,000
	Nonwhite	31,714	20,458	9,460	1,796	119.7	77.2	35.7	6.8	265,000
1982	Total	117,565	81,098	30,012	6,455	86.9	59.9	22.2	4.8	1,353,600
	White	85,859	60,469	20,719	4,671	81.4	57.3	19.6	4.4	1,055,402
	Nonwhite	31,706	20,629	9,293	1,784	106.3	69.2	31.2	6.0	298,198
1983	Total	116,856	80,779	29,598	6,479	85.0	58.7	21.5	4.7	1,375,189
	White	85,001	60,086	20,177	4,738	79.5	56.2	18.9	4.4	1,069,154
	Nonwhite	31,855	20,693	9,421	1,741	104.1	67.6	30.8	5.7	306,035
1984	Total	120,257	82,662	30,819	6,776	86.1	59.2	22.1	4.8	1,397,452
	White	87,420	61,391	21,040	4,989	80.7	56.7	19.4	4.6	1,083,245
	Nonwhite	32,837	21,271	9,779	1,787	104.5	67.7	31.1	5.7	314,207
1985	Total	124,073	85,984	31,094	6,995	88.1	61.1	22.1	5.0	1,408,096
	White	90,231	63,999	21,046	5,186	82.5	58.5	19.2	4.7	1,093,320
	Nonwhite	33,842	21,985	10,048	1,809	107.5	69.8	31.9	5.7	314,776
1986	Total	126,499	87,125	31,977	7,397	88.6	61.0	22.4	5.2	1,427,925
	White	91,251	64,400	21,361	5,490	82.5	58.2	19.3	5.0	1,106,626
	Nonwhite	35,248	22,725	10,616	1,907	109.7	70.7	33.0	5.9	321,299
1987	Total	129,951	90,314	32,436	7,201	89.8	62.4	22.4	5.0	1,447,748
	White	93,605	66,885	21,428	5,292	83.6	59.7	19.1	4.7	1,119,918
	Nonwhite	36,346	23,429	11,008	1,909	110.9	71.5	33.6	5.8	327,830
1988	Total	134,349	92,816	33,637	7,896	91.5	63.2	22.9	5.4	1,467,566
	White	95,928	68,222	22,024	5,682	84.7	60.2	19.4	5.0	1,133,230
	Nonwhite	38,421	24,594	11,613	2,214	114.9	73.6	34.7	6.6	334,336
1989	Total	136,907	96,538	32,584	7,785	92.0	64.9	21.9	5.2	1,487,389
	White	97,347	70,482	21,116	5,749	84.9	61.5	18.4	5.0	1,146,522
	Nonwhite	39,560	26,056	11,468	2,036	116.1	76.4	33.6	6.0	340,867

* Total Pregnancies Are The Sums of Resident Live Births, Induced Abortions, And Natural Fetal Deaths Reported to Virginia.
Induced Abortions And Natural Fetal Deaths Were Not Separated And Are Reported Here as Natural Fetal Deaths Prior to 1970.

TABLE 6
LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number		Total	Rate	
					White	Nonwhite		White	Nonwhite
STATE OF VIRGINIA	94,089	68,413	25,676	96,538	70,482	26,056	16.0	14.9	19.9
DISTRICT 1	1,020	1,006	14	1,220	1,200	20	11.3	11.3	11.9
LEE	120	120		334	334		11.7	11.7	0.0
SCOTT	1	1		258	254	4	9.9	9.8	22.6
WISE	488	481	7	569	560	9	11.7	11.8	8.6
WORTON	411	404	7	59	52	7	11.8	11.1	23.0
DISTRICT 2	877	869	8	1,413	1,388	25	9.4	9.4	11.4
BUCHANAN				349	348	1	8.7	8.8	5.3
DICKENSON				210	210		9.7	9.8	0.0
RUSSELL	203	201	2	319	318	1	9.2	9.3	3.0
TAZEWELL	674	668	6	535	512	23	9.9	9.8	15.0
DISTRICT 3	1,761	1,719	42	2,159	2,095	64	11.3	11.3	12.4
BLAND				66	66		9.4	9.7	0.0
CARROLL				301	299	2	10.4	10.4	14.2
GRAYSON	1	1		204	198	6	11.8	11.9	10.0
SMYTH	346	340	6	396	392	4	11.5	11.6	5.9
WASHINGTON	583	580	3	539	530	9	10.8	10.8	9.7
WYTHE	301	286	15	326	310	16	12.1	12.0	15.8
BRISTOL				229	212	17	12.5	12.4	13.9
GALEX	530	512	18	98	88	10	13.7	13.0	28.4
DISTRICT 4	1,414	1,328	86	1,679	1,560	119	11.1	10.8	18.4
FLOYD	6	6		118	117	1	9.4	9.6	3.1
GILES	1	1		200	199	1	10.9	11.1	2.4
MONTGOMERY	515	481	34	809	742	67	11.6	11.0	26.1
PULASKI	191	169	22	395	358	37	10.8	10.4	17.8
RADFORD	701	671	30	157	144	13	11.0	11.0	12.0
DISTRICT 5	4,413	3,710	703	3,260	2,681	579	12.4	11.6	18.0
ALLEGHANY	348	318	30	144	141	3	9.8	9.8	7.1
BOTETOURT	2	2		295	287	8	11.5	11.5	11.2
CRAIG	1	1		45	45		10.3	10.4	0.0
ROANOKE	2	2		706	670	36	8.8	8.6	16.8
CLIFTON FORGE	1	1		53	44	9	10.2	10.2	10.2
COVINGTON				90	72	18	11.7	11.2	14.7
ROANOKE CITY	3,088	2,470	618	1,608	1,123	485	16.1	15.1	18.9
SALEM	971	916	55	319	299	20	12.9	12.7	17.7
DISTRICT 6	2,759	2,629	130	2,864	2,688	176	12.9	12.7	16.4
AUGUSTA	3	3		682	670	12	13.1	13.4	6.0
BATH				64	63	1	11.6	12.5	2.1
HIGHLAND	1	1		29	29		9.1	9.2	0.0
ROCKBRIDGE	3	3		199	194	5	10.5	10.5	10.7
ROCKINGHAM	14	14		779	762	17	13.6	13.6	15.4
BUENA VISTA				96	90	6	13.7	13.4	20.5
HARRISONBURG	1,556	1,499	57	344	317	27	12.2	11.7	23.4
LEXINGTON	325	309	16	72	63	9	10.6	10.3	14.1
STAUNTON	337	314	23	297	247	50	11.9	11.2	17.8
WAYNESBORO	520	486	34	302	253	49	16.3	15.1	27.7
DISTRICT 7	2,232	2,134	98	2,215	2,102	113	14.9	14.8	17.3
CLARKE	7	7		153	145	8	14.2	14.9	7.5
FREDERICK	5	5		656	642	14	16.3	16.3	21.7
PAGE	4	4		264	254	10	12.4	12.3	16.8
SHERMANOAH	263	257	6	374	369	5	12.2	12.2	10.5
WARREN	280	268	12	398	376	22	16.3	16.4	15.1
WINCHESTER	1,673	1,593	80	370	316	54	17.2	16.5	23.6
DISTRICT 8	22,807	18,465	4,342	23,944	19,358	4,586	18.3	17.9	20.4
ARLINGTON	3,534	2,610	924	2,571	1,956	615	16.5	16.5	16.3
FAIRFAX	11,983	9,955	2,028	12,617	10,284	2,333	17.4	16.9	20.7
LOUDOUN	884	805	79	1,558	1,392	166	21.8	21.5	25.7
PRINCE WILLIAM	1,574	1,332	242	4,244	3,591	653	22.7	21.8	29.1
ALEXANDRIA	3,575	2,655	920	1,806	1,141	665	16.6	16.3	17.0
FAIRFAX CITY	3	3		289	245	44	13.8	13.0	21.3
FALLS CHURCH	1	1		126	118	8	13.0	13.7	7.4
MANASSAS	1,251	1,102	149	588	502	86	28.1	27.1	36.4
MANASSAS PARK	2	2		145	129	16	20.3	19.7	26.9
DISTRICT 9	773	674	99	1,789	1,508	281	16.6	16.7	16.3
CULPEPER	190	155	35	461	360	101	18.4	18.0	19.6
FAUQUIER	570	507	63	778	686	92	17.5	17.9	15.4
MADISON	3	3		158	130	28	14.2	14.2	14.3
ORANGE	2	1	1	293	236	57	14.2	13.9	15.8
RAPPAHANNOCK	8	8		99	96	3	15.8	16.7	5.8
DISTRICT 10	3,572	2,770	802	2,422	1,885	537	14.8	14.0	18.5
ALBEMARLE	2,295	1,594	701	965	838	127	14.3	14.0	15.9
PLUYARNA	2	2		202	137	65	17.5	16.4	20.2
GREENE	2	2		182	171	11	19.2	19.4	15.9
LOUISA				292	198	94	14.4	14.0	15.3
NELSON	4	3	1	164	130	34	13.1	12.6	14.9
CHARLOTTESVILLE	1,269	1,169	100	617	411	206	14.8	12.4	23.6
DISTRICT 11	2,820	2,059	761	2,834	2,135	699	13.3	12.3	17.5
AMHERST	1	1		362	281	81	12.0	11.7	13.0
APPOMATTOX				177	116	61	13.4	11.4	20.6
BEDFORD	3	3		593	544	49	13.8	13.8	13.6
CAMPBELL	3	3		653	552	101	13.1	12.8	14.5
BEDFORD CITY	336	279	57	66	43	23	10.1	8.3	16.7
LYNCHBURG	2,477	1,773	704	983	599	384	14.0	11.6	20.5

(continued)

TABLE 6
LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	94,089	68,413	25,676	96,538	70,482	26,056	16.0	14.9	19.5
DISTRICT 12	2,388	1,469	919	3,166	2,033	1,133	12.7	10.9	18.4
FRANKLIN	254	140	114	480	408	72	12.2	11.8	15.2
HENRY	1		1	773	550	223	13.3	12.5	16.1
PATRICK	226	194	32	167	157	10	9.1	9.3	6.8
PITTSYLVANIA				631	398	233	10.9	9.9	13.0
DANVILLE	1,355	741	614	863	403	460	15.6	10.5	26.9
MARTINSVILLE	552	394	158	252	117	135	13.1	9.2	20.6
DISTRICT 13	906	453	453	1,069	497	572	12.6	10.2	16.0
BRUNSWICK	1		1	203	60	143	12.5	8.7	15.3
HALIFAX	1	1		345	183	162	11.2	9.8	13.4
MECKLENBURG	177	89	88	413	202	211	13.8	10.8	18.6
SOUTH BOSTON	727	363	364	108	52	56	14.5	11.7	18.7
DISTRICT 14	398	172	226	1,197	611	586	13.7	11.3	17.6
AMELIA	2		2	136	86	50	14.9	13.8	17.3
BUCKINGHAM	1		1	178	90	88	14.2	12.6	16.4
CHARLOTTE				178	89	89	15.5	11.9	22.2
CUMBERLAND	1	1		133	72	61	15.6	14.5	17.0
LUNenburg	3		3	148	81	67	12.0	10.2	15.4
NOTTOWAY	4	1	3	188	94	94	12.5	10.6	15.3
PRINCE EDWARD	387	170	217	236	99	137	13.0	8.8	19.7
DISTRICT 15	13,669	8,525	5,144	11,499	7,312	4,187	15.9	14.3	19.8
CHARLES CITY COUNTY				85	29	56	12.4	22.0	10.1
CHESTERFIELD	13	11	2	3,156	2,660	496	16.1	15.0	25.9
GOOCHLAND				214	147	67	15.7	15.5	16.3
HANOVER	5	5		857	743	114	14.4	14.0	17.6
HENRICO	5,709	4,737	972	3,260	2,403	857	15.9	14.9	19.6
NEW KENT				147	116	31	12.9	12.9	12.9
POMFRET	3	2	1	197	181	16	12.5	14.6	4.9
RICHMOND CITY	7,939	3,770	4,169	3,583	1,033	2,550	16.7	11.7	20.1
DISTRICT 16	1,929	1,605	324	2,806	2,301	505	18.2	17.9	19.9
CAROLINE	2	2		218	185	133	15.6	15.5	15.8
KING GEORGE				216	162	54	17.2	16.8	18.5
SPOTSVLVANIA	4	2	2	907	803	104	19.9	20.2	18.0
STAFFORD	5	5		931	843	88	16.9	16.5	22.1
FREDERICKSBURG	1,918	1,596	322	434	308	126	21.2	19.0	29.6
DISTRICT 17	274	137	137	542	278	264	12.3	9.4	18.4
LANCASTER	271	136	135	117	53	64	9.9	6.6	17.1
NORTHUMBERLAND				113	55	58	10.9	7.8	17.6
RICHMOND				85	51	34	11.6	9.6	16.7
WESTMORELAND	3	1	2	227	119	108	15.6	12.9	20.4
DISTRICT 18	15	5	10	954	710	244	12.9	12.6	13.8
ESSEX	7	1	6	101	51	50	10.9	9.3	13.2
GLOUCESTER	6	4	2	427	379	48	14.7	14.9	13.4
KING & QUEEN				97	52	45	14.6	14.1	15.3
KING WILLIAM	2		2	162	109	53	15.0	15.1	14.7
MATHEWS				67	55	12	7.2	6.9	8.7
MIDDLESEX				100	64	36	11.3	9.7	15.7
DISTRICT 19	2,178	1,008	1,170	2,565	1,205	1,360	15.7	12.9	19.2
DINWIDDIE				280	163	117	13.0	11.6	15.7
GREENSVILLE				138	50	88	12.8	11.0	14.1
PRINCE GEORGE				407	282	125	14.2	15.2	12.4
SURRY				88	31	57	13.8	11.8	15.2
SUSSEX				167	55	112	16.7	12.4	20.2
COLONIAL HEIGHTS				221	199	22	12.6	11.5	96.5
EMPORIA	230	43	187	112	27	85	24.2	10.3	42.5
HOPEWELL	451	312	139	396	253	143	16.0	13.5	23.9
PETERSBURG	1,497	653	844	756	145	611	19.1	14.3	20.8
DISTRICT 20	19,661	12,679	6,982	19,267	12,401	6,866	19.5	18.4	22.0
ISLE OF WIGHT				414	253	161	17.1	18.0	19.1
SOUTHAMPTON				191	81	110	10.4	8.1	13.2
CHESAPEAKE	2,274	1,647	627	2,613	1,781	832	18.6	18.2	19.7
FRANKLIN CITY	427	194	233	190	72	126	24.8	20.7	27.9
NORFOLK	7,707	4,516	3,191	5,435	2,836	2,599	19.8	18.3	21.9
PORTSMOUTH	4,281	2,617	1,664	2,006	926	1,080	17.6	16.3	18.9
SUFFOLK	821	347	474	863	401	462	15.8	13.4	18.6
VIRGINIA BEACH	4,151	3,358	793	7,547	6,051	1,496	21.4	19.9	31.3
DISTRICT 21	7,624	4,770	2,854	6,994	4,247	2,747	18.1	16.4	21.3
JAMES CITY COUNTY	2	2		423	320	83	14.1	15.3	10.7
YORK	3	3		406	327	79	9.4	9.4	9.5
HAMPTON	2,874	1,404	1,470	2,322	1,294	1,028	18.1	17.2	19.5
NEWPORT NEWS	3,884	2,690	1,194	3,516	2,033	1,483	21.6	19.4	25.4
POQUOSON	1	1		124	122	2	10.9	10.8	14.3
WILLIAMSBURG	860	670	190	203	131	72	18.0	13.5	46.0
DISTRICT 22	599	227	372	680	287	393	14.4	10.4	20.1
ACCOMACK	5	2	3	468	211	257	14.5	10.6	20.6
NORTHAMPTON	594	225	369	212	76	136	14.3	9.9	19.0

TABLE 7
RESIDENT LIVE BIRTHS BY RACE AND BY PLACE OF DELIVERY
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS			RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
				Hospital	Non-Hosp		Hospital	Non-Hosp		Hospital	Non-Hosp	
				Births	Physician	Midwife	Births	Physician	Midwife	Births	Physician	Midwife
	Total	White	Nonwh	Assisted	& Other		Assisted	& Other		Assisted	& Other	
STATE OF VIRGINIA	96,538	70,482	26,056	95,982	184	372	70,066	75	341	25,916	109	31
DISTRICT 1	1,220	1,200	20	1,219		1	1,199		1	20		
LEE	334	334		334			334					
SCOTT	258	254	4	257		1	253		1	4		
WISE	569	560	9	569			560			9		
NORTON	59	52	7	59			52			7		
DISTRICT 2	1,413	1,388	25	1,411	2		1,386	2		25		
BUCHANAN	349	348	1	348	1		347	1		1		
DICKENSON	210	210		210			210					
RUSSELL	319	318	1	319			318			1		
TAZEWELL	535	512	23	534	1		511	1		23		
DISTRICT 3	2,159	2,095	64	2,156		3	2,093		2	63		1
BLAND	66	66		66			66					
CARROLL	301	299	2	301			299			2		
GRAYSON	204	198	6	203		1	197		1	6		
SMYTH	396	392	4	396			392			4		
WASHINGTON	539	530	9	539			530			9		
WYTHE	326	310	16	324		2	309		1	15		1
BRISTOL	229	212	17	229			212			17		
GALAX	98	88	10	98			88			10		
DISTRICT 4	1,679	1,560	119	1,667	1	11	1,548	1	11	119		
FLOYD	118	117	1	113		5	112		5	1		
GILES	200	199	1	200			199			1		
MONTGOMERY	809	742	67	805		4	738		4	67		
PULASKI	395	358	37	392	1	2	355	1	2	37		
RADFORD	157	144	13	157			144			13		
DISTRICT 5	3,260	2,681	579	3,251	3	6	2,672	3	6	579		
ALLEGHANY	144	141	3	144			141			3		
BOTETOURT	295	287	8	293		2	285		2	8		
CRAIG	45	45		44		1	44					
ROANOKE	706	670	36	704		2	668		2	36		
CLIFTON FORGE	53	44	9	52	1		43	1		9		
COVINGTON	90	72	18	90			72			18		
ROANOKE CITY	1,608	1,123	485	1,606	1	1	1,121	1	1	485		
SALEM	319	299	20	318	1		299	1		20		
DISTRICT 6	2,864	2,688	176	2,839	5	20	2,663	5	20	176		
AUGUSTA	682	670	12	679		1	667		1	12		
BATH	64	63	1	63		1	62		1	1		
HIGHLAND	29	29		28		1	28					
ROCKBRIDGE	199	194	5	196	1	2	191	1	2	5		
ROCKINGHAM	779	762	17	767		12	750		12	17		
BUENA VISTA	96	90	6	96			90			6		
HARRISONBURG	344	317	27	343		1	316		1	27		
LEXINGTON	72	63	9	71		1	62		1	9		
STAUNTON	297	247	50	296	1		246	1		50		
WAYNESBORO	302	253	49	300	1	1	251	1	1	49		
DISTRICT 7	2,215	2,102	113	2,188	4	23	2,075	4	23	113		
CLARKE	153	145	8	146	1	6	138	1	6	8		
FREDERICK	656	642	14	650		6	636		6	14		
PAGE	264	254	10	262	1	1	252	1	1	10		
SHEWANOA	374	369	5	372		2	367		2	5		
WARREN	398	376	22	392	1	5	370	1	5	22		
WINCHESTER	370	316	54	366	1	3	312	1	3	54		
DISTRICT 8	23,944	19,358	4,586	23,791	43	110	19,234	22	102	4,557	21	8
ARLINGTON	2,571	1,956	615	2,556	7	8	1,948	1	7	608	6	1
FAIRFAX	12,617	10,284	2,333	12,534	27	56	10,209	19	56	2,325	8	
LOUDOUN	1,558	1,392	166	1,552	1	5	1,386	1	5	166		
PRINCE WILLIAM	4,244	3,591	653	4,220	4	20	3,574		17	646	4	3
ALEXANDRIA	1,806	1,141	665	1,796	2	8	1,135	1	5	661	1	3
FAIRFAX CITY	289	245	44	284		3	242		3	42		
FALLS CHURCH	126	118	8	124		2	116		2	8		
MANASSAS	588	502	86	582		6	497		5	85		1
MANASSAS PARK	145	129	16	143		2	127		2	16		
DISTRICT 9	1,789	1,508	281	1,757	2	30	1,480	1	27	277	1	3
CULPEPER	461	360	101	454		7	355		5	99		2
FAUQUIER	778	686	92	766	1	11	675	1	10	91		1
MADISON	158	130	28	155		3	127		3	28		
ORANGE	293	236	57	291	1	1	235		1	56	1	
RAPPAHANNOCK	99	96	3	91		8	88		8	3		
DISTRICT 10	2,422	1,885	537	2,402	5	15	1,868	3	14	534	2	1
ALBEMARLE	965	838	127	956	3	6	831	2	5	125	1	1
FLUVANNA	202	137	65	200		2	135		2	65		
GREENE	182	171	11	180		2	169		2	11		
LOUISA	292	198	94	292			198			94		
NELSON	164	130	34	160	2	2	127	1	2	33	1	
CHARLOTTESVILLE	617	411	206	614		3	408		3	206		
DISTRICT 11	2,834	2,135	699	2,827	3	4	2,129	3	3	698		1
AMHERST	362	281	81	361		1	280		1	81		
APPOMATTOX	177	116	61	177			116			61		
BEDFORD	593	544	49	590	2	1	541	2	1	49		
CAMPBELL	653	552	101	651	1	1	550	1	1	101		
BEDFORD CITY	66	43	23	66			43			23		
LYNCHBURG	983	599	384	982		1	599			383		1

[continued]

TABLE 7
RESIDENT LIVE BIRTHS BY RACE AND BY PLACE OF DELIVERY
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	RESIDENT LIVE BIRTHS			RESIDENT LIVE BIRTHS BY PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
				Hospital Births	Non-Hosp Physician Assisted	Births Midwife & Other	Hospital Births	Non-Hosp Physician Assisted	Births Midwife & Other	Hospital Births	Non-Hosp Physician Assisted	Births Midwife & Other
STATE OF VIRGINIA	96,538	70,482	26,056	95,982	184	372	70,066	75	341	25,916	109	31
DISTRICT 12	3,166	2,033	1,133	3,161	4	1	2,031	1	1	1,130	3	
FRANKLIN	480	408	72	479		1	407		1	72		
HENRY	773	550	223	772	1		550					
PATRICK	167	157	10	167			157			10		
PITTSYLVANIA	631	398	233	631			398			233		
DANVILLE	863	403	460	863			403			460		
MARTINSVILLE	252	117	135	249	3		116	1		133	2	
DISTRICT 13	1,069	497	572	1,064	2	3	493	1	3	571	1	
BRUNSWICK	203	60	143	201	1	1	59		1	142		
HALIFAX	345	183	162	344			182			162		
MECKLENBURG	413	202	211	411	1	1	200	1	1	211		
SOUTH BOSTON	108	52	56	108			52			56		
DISTRICT 14	1,197	611	586	1,184	10	3	609	1	1	575	9	2
AMELIA	136	86	50	134	2		86			48	2	
BUCKINGHAM	178	90	88	177	1		90			87		
CHARLOTTE	178	89	89	178			89			89		
CUMBERLAND	133	72	61	131		2	71		1	60		1
LUNEBURG	148	81	67	145	3		81			64	3	
NOTTOWAY	188	94	94	185	3		93			92	2	
PRINCE EDWARD	236	99	137	234	1	1	99	1		135	1	1
DISTRICT 15	11,499	7,312	4,187	11,434	23	42	7,269	4	39	4,165	19	3
CHARLES CITY COUNTY	85	29	56	85			29			56		
CHESTERFIELD	3,156	2,660	496	3,146		10	2,651		9	495		1
GOOCHLAND	214	147	67	214			147			67		
HANOVER	857	743	114	852	1	4	738	1	4	114		
HENRICO	3,260	2,403	857	3,244	2	14	2,389	1	13	855	1	1
NEW KENT	147	116	31	147			116			31		
POMHATAN	197	181	16	194		3	178		3	16		
RICHMOND CITY	3,583	1,033	2,550	3,552	20	11	1,021	2	10	2,531	18	1
DISTRICT 16	2,806	2,301	505	2,792	6	8	2,289	4	8	503	2	
CAROLINE	318	185	133	317	1		184	1		133		
KING GEORGE	216	162	54	216			162			54		
SPOTSYLVANIA	907	803	104	903	3	1	801	1	1	102	2	
STAFFORD	931	843	88	924	2	5	836	2	5	88		
FREDERICKSBURG	434	308	126	432		2	306		2	126		
DISTRICT 17	542	278	264	539	2	1	278			261	2	1
LANCASTER	117	53	64	117			53			64		
NORTHUNGERLAND	113	55	58	113			55			58		
RICHMOND	85	51	34	85			51			34		
WESTMORELAND	227	119	108	224	2	1	119			105	2	1
DISTRICT 18	954	710	244	945	5	4	704	2	4	241	3	
ESSEX	101	51	50	100	1	1	50		1	50		
GLOUCESTER	427	379	48	424	1	2	377		2	47	1	
KING & QUEEN	97	52	45	96		1	51		1	45		
KING WILLIAM	162	109	53	160	2		109			51	2	
MATHEWS	67	55	12	65	2		53	2		12		
MIDDLESEX	100	64	36	100			64			36		
DISTRICT 19	2,565	1,205	1,360	2,562		2	1,205			1,358		2
DINWIDDIE	280	163	117	279		1	163			116		1
GREENSVILLE	138	50	88	138			50			88		
PRINCE GEORGE	407	282	125	407			282			125		
SURRY	88	31	57	88			31			57		
SUSSEX	167	55	112	167			55			112		
COLONIAL HEIGHTS	221	199	22	221			199			22		
EMPORIA	112	27	85	112			27			85		
HOPEWELL	396	253	143	396			253			143		
PETERSBURG	756	145	611	755		1	145			610		1
DISTRICT 20	19,267	12,401	6,866	19,149	42	76	12,317	15	69	6,832	27	7
ISLE OF WIGHT	414	253	161	414			253			161		
SOUTHAMPTON	191	81	110	191			81			110		
CHESAPEAKE	2,613	1,781	832	2,600	5	8	1,773	1	7	827	4	1
FRANKLIN CITY	198	72	126	198			72			126		
NORFOLK	5,435	2,836	2,599	5,391	22	22	2,813	7	16	2,578	15	6
FORTSMOUTH	2,006	926	1,080	1,991	9	6	917	3	6	1,074	6	
SJFFOLK	863	401	462	861		2	399		2	462		
VIRGINIA BEACH	7,547	6,051	1,496	7,503	6	38	6,009	4	38	1,494	2	
DISTRICT 21	6,994	4,247	2,747	6,972	15	7	4,239	3	5	2,733	12	2
JAMES CITY COUNTY	423	340	83	421		2	338		2	83		
YORK	406	327	79	403	2	1	324		1	79		
HAMPTON	2,322	1,294	1,028	2,313	8	1	1,293	2	1	1,020	8	
NEWPORT NEWS	3,516	2,033	1,483	3,509	5	2	2,032	1		1,477	4	2
POQUOSON	124	122	2	123		1	121		1	2		
WILLIAMSBURG	203	131	72	203			131			72		
DISTRICT 22	680	287	393	671	7	2	285		2	386	7	
ACCOMACK	468	211	257	463	3	2	209		2	254	3	
NORTHAMPTON	212	76	136	208	4		76			132	4	

TABLE 8
ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS
BY RACE AND BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Illegitimate Live Births						Low Weight Births						Congenital Anomalies	
	Number			Percent			Number			Percent			Number	Percent
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh		
STATE OF VIRGINIA	24,390	10,062	14,328	25.3	14.3	55.0	6,941	3,866	3,075	7.2	5.5	11.8	1,609	1.7
DISTRICT 1	257	249	8	21.1	20.8	40.0	69	66	3	5.7	5.5	15.0	36	3.0
LEE	71	71		21.3	21.3		16	16		4.8	4.8		11	3.3
SCOTT	32	31	1	12.4	12.2	25.0	12	11	1	4.7	4.3	25.0	5	1.9
WISE	140	137	3	24.6	24.5	33.3	38	36	2	6.7	6.4	22.2	18	3.2
MORTON	14	10	4	23.7	19.2	57.1	3	3		5.1	5.8	0.0	2	3.4
DISTRICT 2	255	244	11	18.0	17.6	44.0	93	92	1	6.6	6.6	4.0	32	2.3
BUCHANAN	59	58	1	16.9	16.7	100.0	24	24		6.9	6.9	0.0	8	2.3
DICKENSON	41	41		19.5	19.5		15	15		7.1	7.1		9	4.3
RUSSELL	57	57		17.9	17.9	0.0	23	23		7.2	7.2	0.0	8	2.5
TAZEWELL	98	88	10	18.3	17.2	43.5	31	30	1	5.8	5.9	4.3	7	1.3
DISTRICT 3	416	383	33	19.3	18.3	51.6	148	139	9	6.9	6.6	14.1	73	3.4
BLAND	7	7		10.6	10.6		2	2		3.0	3.0		2	3.0
CARROLL	47	46	1	15.6	15.4	50.0	23	23		7.6	7.7	0.0	3	1.0
GRAYSON	30	29	1	14.7	14.6	16.7	16	14	2	7.8	7.1	33.3	4	2.0
SMYTH	78	76	2	19.7	19.4	50.0	28	28		7.1	7.1	0.0	10	2.5
WASHINGTON	91	86	5	16.9	16.2	55.6	33	31	2	6.1	5.8	22.2	19	3.5
WYTHE	71	64	7	21.8	20.6	43.8	24	22	2	7.4	7.1	12.5	27	8.3
BRISTOL	56	46	10	24.5	21.7	58.8	11	10	1	4.8	4.7	5.9	5	2.2
GALAX	36	29	7	36.7	33.0	70.0	11	9	2	11.2	10.2	20.0	3	3.1
DISTRICT 4	318	272	46	18.9	17.4	38.7	100	94	6	6.0	6.0	5.0	53	3.2
FLOYD	17	17		14.4	14.5	0.0	12	12		10.2	10.3	0.0	3	2.5
GILES	38	37	1	19.0	18.6	100.0	21	21		10.5	10.6	0.0	12	6.0
MONTGOMERY	127	110	17	15.7	14.8	25.4	37	35	2	4.6	4.7	3.0	25	3.0
PULASKI	99	78	21	25.1	21.8	56.8	23	20	3	5.8	5.6	8.1	11	2.8
RADFORD	37	30	7	23.6	20.8	53.8	7	6	1	4.5	4.2	7.7	2	1.3
DISTRICT 5	878	495	383	26.9	18.5	66.1	251	166	85	7.7	6.2	14.7	89	2.7
ALLEGANY	25	22	3	17.4	15.6	100.0	7	7		4.9	5.0	0.0	3	2.1
BOTETOURT	41	36	5	13.9	12.5	62.5	13	12	1	4.4	4.2	12.5	8	2.7
CRAIG	3	3		6.7	6.7		3	3		6.7	6.7			0.0
ROANOKE	73	67	6	10.3	10.0	16.7	30	27	3	4.2	4.0	8.3	22	3.1
CLIFTON FORGE	15	9	6	28.3	20.5	66.7	3	2	1	5.7	4.5	11.1	4	7.5
COVINGTON	23	13	10	25.6	18.1	55.6	13	9	4	14.4	12.5	22.2	2	2.2
ROANOKE CITY	627	281	346	39.0	25.0	71.3	158	84	74	9.8	7.5	15.3	42	2.6
SALEM	71	64	7	22.3	21.4	35.0	24	22	2	7.5	7.4	10.0	8	2.5
DISTRICT 6	608	522	86	21.2	19.4	48.9	172	159	13	6.0	5.9	7.4	65	2.3
AUGUSTA	127	117	10	18.6	17.5	83.3	44	43	1	6.5	6.4	8.3	16	2.3
BATH	10	10		15.6	15.9	0.0	3	3		4.7	4.8	0.0	3	4.7
HIGHLAND	2	2		6.9	6.9					0.0	0.0		1	3.4
ROCKBRIDGE	49	46	3	24.6	23.7	60.0	18	17	1	9.0	8.8	20.0	4	2.0
ROCKINGHAM	122	115	7	15.7	15.1	41.2	40	39	1	5.1	5.1	5.9	15	1.9
BUENA VISTA	32	29	3	33.3	32.2	50.0	7	6	1	7.3	6.7	16.7	2	2.1
HARRISONBURG	69	63	6	20.1	19.9	22.2	24	22	2	7.0	6.9	7.4	11	3.2
LEXINGTON	21	19	2	29.2	30.2	22.2	2	1	1	2.8	1.6	11.1	1	1.4
STAUNTON	93	64	29	31.3	25.9	58.0	20	19	1	6.7	7.7	2.0	5	1.7
WAYNESBORO	83	57	26	27.5	22.5	53.1	14	9	5	4.6	3.6	10.2	7	2.3
DISTRICT 7	513	452	61	23.2	21.5	54.0	135	119	16	6.1	5.7	14.2	73	3.3
CLARKE	26	21	5	17.0	14.5	62.5	8	8		5.2	5.5	0.0	3	2.0
FREDERICK	150	145	5	22.9	22.6	35.7	38	36	2	5.8	5.6	14.3	18	2.7
PAGE	72	65	7	27.3	25.6	70.0	19	17	2	7.2	6.7	20.0	5	1.9
SHERANDOAH	76	74	2	20.3	20.1	40.0	24	23	1	6.4	6.2	20.0	19	5.1
WARREN	76	68	8	19.1	18.1	36.4	17	15	2	4.3	4.0	9.1	11	2.8
WINCHESTER	113	79	34	30.5	25.0	63.0	29	20	9	7.8	6.3	16.7	17	4.6
DISTRICT 8	3,784	2,297	1,487	15.8	11.9	32.4	1,435	982	453	6.0	5.1	9.9	203	0.8
ARLINGTON	588	368	220	22.9	18.8	35.8	170	100	70	6.6	5.1	11.4	28	1.1
FAIRFAX	1,629	1,014	615	12.9	9.9	26.4	710	507	203	5.6	4.9	8.7	99	0.8
LOUDOUN	180	111	69	11.6	8.0	41.6	91	64	27	5.8	4.6	16.3	14	0.9
PRINCE WILLIAM	691	484	207	16.3	13.5	31.7	261	206	55	6.1	5.7	8.4	36	0.8
ALEXANDRIA	495	165	330	27.4	14.5	49.6	132	58	74	7.3	5.1	11.1	15	0.8
FAIRFAX CITY	47	38	9	16.3	15.5	20.5	14	9	5	4.8	3.7	11.4	5	1.7
FALLS CHURCH	20	18	2	15.9	15.3	25.0	4	3	1	3.2	2.5	12.5		0.0
MANASSAS	101	71	30	17.2	14.1	34.9	44	28	16	7.5	5.6	18.6	4	0.7
MANASSAS PARK	33	28	5	22.8	21.7	31.3	9	7	2	6.2	5.4	12.5	2	1.4
DISTRICT 9	373	202	171	20.8	13.4	60.9	104	68	36	5.8	4.5	12.8	35	2.0
CULPEPER	113	60	53	24.5	16.7	52.5	29	17	12	6.3	4.7	11.9	7	1.5
FAUQUIER	133	76	57	17.1	11.1	62.0	40	30	10	5.1	4.4	10.9	12	1.5
MADISON	36	15	21	22.8	11.5	75.0	12	8	4	7.6	6.2	14.3	3	1.9
ORANGE	79	41	38	27.0	17.4	66.7	19	9	10	6.5	3.8	17.5	12	4.1
RAPPAHANNOCK	12	10	2	12.1	10.4	66.7	4	4		4.0	4.2	0.0	1	1.0
DISTRICT 10	629	277	352	26.0	14.7	65.5	162	99	63	6.7	5.3	11.7	31	1.3
ALBEMARLE	170	112	58	17.6	13.4	45.7	55	43	12	5.7	5.1	9.4	12	1.2
PLUYARNA	68	21	47	33.7	15.3	72.3	16	12	4	7.9	8.8	6.2	3	1.5
GREENE	25	19	6	13.7	11.1	54.5	8	8		4.4	4.7	0.0	5	2.7
LOUISA	105	42	63	36.0	21.2	67.0	25	10	15	9.6	5.1	16.0	1	0.3
NELSON	43	18	25	26.2	13.8	73.5	5	4	1	3.0	3.1	2.9	2	1.2
CHARLOTTESVILLE	218	65	153	35.3	15.8	74.3	53	22	31	8.6	5.4	15.0	8	1.3
DISTRICT 11	815	348	467	28.8	16.3	66.8	178	97	81	6.3	4.5	11.6	34	1.2
AMHERST	102	53	49	28.2	18.9	60.5	27	18	9	7.5	6.4	11.1	3	0.8
APPOMATTOX	51	20	31	28.8	17.2	50.8	7	5	2	4.0	4.3	3.3	3	1.7
BEDFORD	89	59	30	15.0	10.8	61.2	34	28	6	5.7	5.1	12.2	10	1.7
CAMPBELL	157	97	60	24.0	17.6	59.4	36	26	10	5.5	4.7	9.9	7	1.1
BEDFORD CITY	28	11	17	42.4	25.6	73.9	1	1		1.5	0.0	4.3		0.0
LYNCHBURG	388	108	280	39.5	18.0	72.9	73	20	53	7.4	3.3	13.8	11	1.1

(continued)

TABLE 8
 ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS
 BY RACE AND BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
 VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Illegitimate Live Births						Low Weight Births						Congenital Anomalies	
	Number			Percent			Number			Percent			Number	Percent
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh		
STATE OF VIRGINIA	24,390	10,062	14,328	25.3	14.3	55.0	6,941	3,866	3,075	7.2	5.5	11.8	1,609	1.7
DISTRICT 12	1,031	327	704	32.6	16.1	62.1	261	138	123	8.2	6.8	10.9	92	2.9
FRANKLIN	96	50	46	20.0	12.3	63.9	35	27	8	7.3	8.6	11.1	8	1.7
HENRY	242	107	135	31.3	19.5	60.5	57	37	20	7.4	6.7	9.0	17	2.2
PATRICK	34	31	3	20.4	19.7	30.0	8	7	1	4.8	4.5	10.0	8	4.8
PITTSYLVANIA	169	38	131	26.8	9.5	56.2	52	23	29	8.2	5.8	12.4	17	2.9
DANVILLE	369	75	294	42.8	18.6	63.9	81	35	46	9.4	8.7	10.0	34	3.9
MARTINSVILLE	121	26	95	48.0	22.2	70.4	28	9	19	11.1	7.7	14.1	8	3.2
DISTRICT 13	433	63	370	40.5	12.7	64.7	92	33	59	8.6	6.6	10.3	19	1.8
BRUNSWICK	110	9	101	54.2	15.0	70.8	17	4	13	8.4	6.7	9.1	2	1.0
HALIFAX	111	24	87	32.2	13.1	53.7	22	12	10	6.4	6.6	6.2	7	2.0
MECKLENBURG	167	21	146	40.4	10.4	69.2	45	12	33	10.9	5.9	15.6	6	1.5
SOUTH BOSTON	45	9	36	41.7	17.3	64.3	8	5	3	7.4	9.6	5.4	4	3.7
DISTRICT 14	464	79	385	38.8	12.9	65.7	119	34	85	9.9	5.6	14.5	27	2.3
AMELIA	36	11	25	26.5	12.8	50.0	10	5	5	7.4	5.8	10.0	1	0.7
BUCKINGHAM	72	9	63	40.4	10.0	71.6	11	3	8	6.2	3.3	9.1	3	1.7
CHARLOTTE	76	17	59	42.7	19.1	66.3	16	5	11	9.0	5.6	12.4	2	1.1
CUMBERLAND	53	6	47	39.8	8.3	77.0	9	4	5	6.8	5.6	8.2	3	2.3
LUNEBURG	46	9	37	31.1	11.1	55.2	20	8	12	13.5	9.9	17.9	7	4.7
ROTTOMAY	78	16	62	41.5	17.0	66.0	18	6	12	9.6	6.4	12.8	5	2.7
PRINCE EDWARD	103	11	92	43.6	11.1	67.2	35	3	32	14.8	3.0	23.4	6	2.5
DISTRICT 15	2,375	784	2,591	29.4	10.7	61.9	944	403	541	8.2	5.5	12.9	86	0.7
CHARLES CITY COUNTY	39	5	34	45.9	17.2	60.7	8	4	4	9.4	13.8	7.1	23	0.7
CHESTERFIELD	409	239	170	13.0	9.0	34.3	191	137	54	6.1	5.2	10.9	23	0.7
GOCHLAND	43	6	37	20.1	4.1	55.2	12	6	6	5.6	4.1	9.0	2	0.9
HAMOVER	125	63	62	14.6	8.5	54.4	57	37	20	6.7	5.0	17.5	8	0.9
HEBRICO	640	248	392	19.6	10.3	45.7	236	147	89	7.2	6.1	10.4	18	0.6
NEW KEPT	24	7	17	16.3	6.0	54.8	7	4	3	4.8	3.4	9.7	2	1.4
POWMTAW	28	18	10	14.2	9.9	62.5	14	13	1	7.1	7.2	6.3	2	1.0
RICHMOND CITY	2,067	198	1,869	57.7	19.2	73.3	419	55	364	11.7	5.3	14.3	31	0.9
DISTRICT 16	645	365	280	23.0	15.9	55.4	173	121	52	6.2	5.3	10.3	21	0.7
CAROLINE	115	27	88	36.2	14.6	66.2	28	14	14	8.8	7.6	10.5	1	0.3
KING GEORGE	54	22	32	25.0	13.6	59.3	12	7	5	5.6	4.3	9.3	2	0.9
SPOTTSYLVANIA	161	116	45	17.8	14.4	43.3	51	45	6	5.6	5.6	5.8	7	0.8
STAFFORD	171	136	35	18.4	16.1	39.8	44	38	6	4.7	4.5	6.8	8	0.9
FREDERICKSBURG	144	64	80	33.2	20.8	63.5	38	17	21	8.8	5.5	16.7	3	0.7
DISTRICT 17	222	41	181	41.0	14.7	68.6	64	23	41	11.8	8.3	15.5	15	2.8
LANCASTER	59	10	49	50.4	18.9	76.6	16	6	10	13.7	11.3	15.6	8	6.8
NORTHUMBERLAND	42	8	34	37.2	14.5	58.6	12	4	8	10.6	7.3	13.8	5	4.4
RICHMOND	29	5	24	34.1	9.8	70.6	8	2	6	9.4	3.9	17.6	2	0.9
WESTMORELAND	92	18	74	40.5	15.1	68.5	28	11	17	12.3	9.2	15.7	2	0.9
DISTRICT 18	224	72	152	23.5	10.1	62.3	67	30	37	7.0	4.2	15.2	15	1.6
ESSEX	44	5	39	43.6	9.8	78.0	13	2	11	12.9	3.9	22.0	1	1.0
GLOUCESTER	63	39	24	14.8	10.3	50.0	19	14	5	4.4	3.7	10.4	7	1.6
KING & QUEEN	32	7	25	33.0	13.5	55.6	7	3	4	7.2	5.8	8.9	3	3.1
KING WILLIAM	39	6	33	24.1	5.5	62.3	16	6	10	9.9	5.5	18.9	2	1.2
MATHEWS	14	8	6	20.9	14.5	50.0	3	2	1	4.5	3.6	8.3	0	0.0
MIDDLESEX	32	7	25	32.0	10.9	69.4	9	3	6	9.0	4.7	16.7	2	2.0
DISTRICT 19	1,141	226	915	44.5	18.8	67.3	266	82	184	10.4	6.8	13.5	34	1.3
DINWIDDIE	98	27	71	35.0	16.6	60.7	33	14	19	11.8	8.6	16.2	6	2.1
GREENSVILLE	74	8	66	53.6	16.0	75.0	12	2	10	8.7	4.0	11.4	2	1.4
PRINCE GEORGE	84	35	49	20.6	12.4	39.2	39	27	12	9.6	9.6	9.6	8	2.0
SURRY	35	3	32	39.8	9.7	56.1	4	1	3	4.5	3.2	5.3	3	3.4
SUSSEX	89	9	80	53.3	16.4	71.4	18	2	16	10.8	3.6	14.3	1	0.6
COLONIAL HEIGHTS	56	42	14	25.3	21.1	63.6	13	11	2	5.9	5.5	9.1	2	0.9
EMPORIA	72	5	67	64.3	18.5	78.8	9	9	0	8.0	0.0	10.6	1	0.9
HOPEWELL	160	62	98	40.4	24.5	68.5	31	13	18	7.8	5.1	12.6	4	1.0
PETERSBURG	473	35	438	62.6	24.1	71.7	107	12	95	14.2	8.3	15.5	7	0.9
DISTRICT 20	5,606	1,762	3,844	29.1	14.2	56.0	1,561	688	873	8.1	5.5	12.7	267	1.4
ISLE OF WIGHT	134	25	109	32.4	9.9	67.7	37	12	25	8.9	4.7	15.5	8	1.9
SOUTHAMPTON	76	4	72	39.8	4.9	65.5	16	4	12	8.4	4.9	10.9	3	1.6
CHESAPEAKE	690	246	444	26.4	13.8	53.4	181	91	90	6.9	5.1	10.8	35	1.3
FRANKLIN CITY	92	8	84	46.5	11.1	66.7	23	4	19	11.6	5.6	15.1	4	2.0
NORFOLK	2,098	515	1,583	38.6	18.2	60.9	554	188	366	10.2	6.6	14.1	58	1.1
PORTSMOUTH	883	164	719	44.0	17.7	66.6	193	63	130	9.6	6.8	12.0	52	2.6
SUFFOLK	383	52	331	44.4	13.0	71.6	97	27	70	11.2	6.7	15.2	22	2.5
VIRGINIA BEACH	1,250	748	502	16.6	12.4	33.6	460	299	161	6.1	4.9	10.8	85	1.1
DISTRICT 21	2,066	558	1,508	29.5	13.1	54.9	497	222	275	7.1	5.2	10.0	296	4.2
JAMES CITY COUNTY	80	34	46	18.9	10.0	55.4	20	11	9	4.7	3.8	8.4	5	1.2
YORK	74	34	40	18.2	10.4	50.6	18	13	5	4.4	4.0	6.3	8	2.0
HAMPTON	710	189	521	30.6	14.6	50.7	166	60	106	7.1	4.6	10.3	174	7.5
NEWPORT NEWS	1,105	261	844	31.4	12.8	56.9	266	120	146	7.6	5.9	9.8	101	2.9
POQUOSON	17	15	2	13.7	12.3	100.0	3	3	0	2.4	2.5	0.0	3	2.4
WILLIAMSBURG	80	25	55	39.4	19.1	76.4	24	13	11	11.8	9.9	15.3	5	2.5
DISTRICT 22	337	44	293	49.6	15.3	74.6	50	11	39	7.4	3.8	9.9	13	1.9
ACCOMACK	221	30	191	47.2	14.2	74.3	36	8	28	7.7	3.8	10.9	6	1.3
NORTHAMPTON	116	14	102	54.7	18.4	75.0	14	3	11	6.6	3.9	8.1	7	3.3

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								45 Up	Unk
			< 15	15-19	20-24	25-29	30-34	35-39	40-44			
<u>STATE OF VIRGINIA</u>	Total	96,538	258	11,090	25,501	30,098	20,800	7,471	1,162	43	35	
	White	70,482	75	6,385	17,242	23,012	16,719	6,066	943	37	23	
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12	
<u>DISTRICT 1</u>	Total	1,220	1	262	456	272	162	61	4	1	1	
	White	1,200	1	258	450	267	159	59	1	1	1	
	Nonwhite	20		4	6	5	3	2				
LEE	Total	334		69	131	73	46	13	1	1		
	White	334		69	131	73	46	13	1	1		
	Nonwhite											
SCOTT	Total	258	1	51	105	58	25	17			1	
	White	254	1	49	105	58	23	17			1	
	Nonwhite	4		2			2					
WISE	Total	569		127	202	130	80	27	3			
	White	560		127	197	127	80	26	3			
	Nonwhite	9			5	3		1				
NORTON	Total	59		15	18	11	11	4				
	White	52		13	17	9	10	3				
	Nonwhite	7		2	1	2	1	1				
<u>DISTRICT 2</u>	Total	1,413	2	248	508	369	201	75	9	1		
	White	1,388	2	241	502	364	196	74	8	1		
	Nonwhite	25		7	6	5	5	1	1			
BUCHANAN	Total	349		63	132	94	43	15	1	1		
	White	348		63	131	94	43	15	1	1		
	Nonwhite	1			1							
DICKENSON	Total	210	1	39	92	45	24	7	2			
	White	210	1	39	92	45	24	7	2			
	Nonwhite											
RUSSELL	Total	319		57	110	84	47	21				
	White	318		56	110	84	47	21				
	Nonwhite	1		1								
TAZEWELL	Total	535	1	89	174	146	87	32	6			
	White	512	1	89	169	141	82	31	5			
	Nonwhite	23		6	5	5	5	1	1			
<u>DISTRICT 3</u>	Total	2,159	1	403	692	601	334	107	20	1		
	White	2,095	1	393	672	579	328	101	20	1		
	Nonwhite	64		10	20	22	6	6				
BLAND	Total	66		6	16	21	19	4				
	White	66		6	16	21	19	4				
	Nonwhite											
CARROLL	Total	301		48	117	81	41	11	3			
	White	299		48	117	81	41	9	3			
	Nonwhite	2						2				
GRAYSON	Total	204		39	60	55	35	14	1			
	White	198		37	60	53	33	14	1			
	Nonwhite	6		2		2	2					
SMYTH	Total	396		85	128	109	50	19	4	1		
	White	392		84	126	108	50	19	4	1		
	Nonwhite	4		1	2	1						
WASHINGTON	Total	539		92	164	151	96	31	5			
	White	530		91	161	148	95	30	5			
	Nonwhite	9		1	3	3	1	1				
WYTHE	Total	326	1	60	103	94	52	13	3			
	White	310	1	59	97	88	51	11	3			
	Nonwhite	16		1	6	6	1	2				
BRISTOL	Total	229		46	68	69	33	9				
	White	212		43	64	61	32	8				
	Nonwhite	17		3	4	8	1	1				
GALAX	Total	98		27	36	21	8	6				
	White	88		25	31	19	7	6				
	Nonwhite	10		2	5	2	1					
<u>DISTRICT 4</u>	Total	1,679	6	222	501	508	324	100	17		1	
	White	1,560	5	208	470	468	296	95	17		1	
	Nonwhite	119	1	14	31	40	28	5				
FLOYD	Total	118		18	29	37	23	11				
	White	117		18	29	36	23	11				
	Nonwhite	1				1						
GILES	Total	200	3	28	76	55	33	5				
	White	199	3	28	75	55	33	5				
	Nonwhite	1			1							
MONTGOMERY	Total	809	1	88	211	248	183	63	15			
	White	742	1	85	199	220	163	59	15			
	Nonwhite	67		3	12	28	20	4				
PULASKI	Total	395	2	76	131	119	53	12	1		1	
	White	358	1	67	119	112	48	11	1		1	
	Nonwhite	37	1	9	12	7	5	1				
RADFORD	Total	157		12	54	49	32	9	1			
	White	144		10	48	45	31	9	1			
	Nonwhite	13		2	6	4	1					

[continued]

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	96,538	258	11,090	25,581	30,098	20,800	7,471	1,162	43	15
	White	70,482	75	6,365	17,242	23,012	16,719	6,066	943	17	23
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12
DISTRICT 5	Total	3,260	9	435	837	1,012	728	213	24	1	1
	White	2,681	7	293	640	880	656	183	20	1	1
	Nonwhite	579	2	142	197	132	72	30	4		
ALLEGHANY	Total	144	1	12	42	43	37	7	2		
	White	141	1	12	42	42	35	7	2		
	Nonwhite	3				1	2				
BOTETOURT	Total	295		25	61	111	71	24	3		
	White	287		25	57	108	70	24	3		
	Nonwhite	8			4	3	1				
CRAIG	Total	45		3	7	19	13	3			
	White	45		3	7	19	13	3			
	Nonwhite										
ROANOKE	Total	706		61	148	225	203	62	5	1	1
	White	670		59	139	212	195	58	5	1	1
	Nonwhite	36		2	9	13	8	4			
CLIFTON FORGE	Total	53		5	14	10	20	4			
	White	44		5	13	8	16	2			
	Nonwhite	9			1	2	4	2			
COVINGTON	Total	90		11	27	35	13	4			
	White	72		11	16	30	12	3			
	Nonwhite	18			11	5	1	1			
ROANOKE CITY	Total	1,608	5	277	451	475	298	91	11		
	White	1,123	3	143	285	372	244	68	8		
	Nonwhite	485	2	134	166	103	54	23	3		
SALEM	Total	319	3	41	87	94	73	18	3		
	White	299	3	35	81	89	71	18	2		
	Nonwhite	20		6	6	5	2	1			
DISTRICT 6	Total	2,864	3	345	831	919	550	186	30		
	White	2,688	3	324	778	861	519	174	29		
	Nonwhite	176		21	53	58	31	12	1		
AUGUSTA	Total	682	1	75	206	216	135	44	5		
	White	670	1	73	202	211	135	43	5		
	Nonwhite	12		2	4	5	1				
BATH	Total	64		10	24	18	10	2			
	White	63		10	23	18	10	2			
	Nonwhite	1			1						
HIGHLAND	Total	29		1	6	14	6	1	1		
	White	29		1	6	14	6	1	1		
	Nonwhite										
ROCKBRIDGE	Total	199	1	25	69	54	30	17	3		
	White	194	1	24	68	52	29	17	3		
	Nonwhite	5		1	1	2	1				
ROCKINGHAM	Total	779		81	222	253	161	53	9		
	White	762		78	215	248	161	51	9		
	Nonwhite	17		3	7	5	1	2			
BUENA VISTA	Total	96		21	25	34	13	2	1		
	White	90		19	24	32	12	2	1		
	Nonwhite	6		2	1	2	1				
HARRISONBURG	Total	344	1	42	105	109	64	19	4		
	White	317	1	41	98	97	60	16	4		
	Nonwhite	27		1	7	12	4	3			
LEXINGTON	Total	72		11	13	15	23	9	1		
	White	63		11	11	14	19	7	1		
	Nonwhite	9			2	1	4	2			
STAUNTON	Total	297		34	84	101	57	16	5		
	White	247		27	68	88	44	15	5		
	Nonwhite	50		7	16	13	13	1			
WAYNESBORO	Total	302		45	77	105	51	23	1		
	White	253		40	63	87	43	20			
	Nonwhite	49		5	14	18	8	3	1		
DISTRICT 7	Total	2,215	5	279	700	701	391	124	15		
	White	2,102	4	268	655	668	373	119	15		
	Nonwhite	113	1	11	45	33	18	5			
CLARKE	Total	153		14	36	55	36	10	2		
	White	145		12	33	55	33	10	2		
	Nonwhite	8		2	3		3				
FREDERICK	Total	656	2	69	204	204	127	45	5		
	White	642	2	67	201	199	126	42	5		
	Nonwhite	14		2	3	5	1	3			
PAGE	Total	264	1	45	87	77	39	14	1		
	White	254	1	45	83	72	38	14	1		
	Nonwhite	10			4	5	1				
SHENANDOAH	Total	374	1	48	119	128	59	19			
	White	369	1	47	116	127	59	19			
	Nonwhite	5		1	3	1					

(continued)

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	96,538	258	11,090	25,581	30,098	20,800	7,471	1,162	43	35
	White	70,482	75	6,365	17,242	23,012	16,719	6,066	943	37	23
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12
WARREN	Total	398		52	129	134	71	9	3		
	White	376		50	116	129	70	8	3		
	Nonwhite	22		2	13	5	1	1			
WINCHESTER	Total	370	1	51	125	103	59	27	4		
	White	316		47	106	86	47	26	4		
	Nonwhite	54	1	4	19	17	12	1			
DISTRICT 8	Total	23,944	26	1,424	4,419	7,604	6,974	2,951	501	23	22
	White	19,358	15	973	3,360	6,164	5,858	2,517	433	22	16
	Nonwhite	4,586	11	451	1,059	1,440	1,116	434	68	1	6
ARLINGTON	Total	2,571	8	164	523	721	685	379	78	5	8
	White	1,956	4	103	361	522	556	330	69	5	6
	Nonwhite	615	4	61	162	199	129	49	9		2
FAIRFAX	Total	12,617	7	574	1,870	3,935	4,126	1,778	303	14	10
	White	10,284	6	390	1,420	3,173	3,496	1,517	261	14	7
	Nonwhite	2,333	1	184	450	762	630	261	42		3
LOUDOUN	Total	1,558	1	81	276	563	457	159	18	3	
	White	1,392		63	233	509	420	146	17		
	Nonwhite	166		18	43	54	37	13	1		
PRINCE WILLIAM	Total	4,244	3	368	1,066	1,484	970	308	43		2
	White	3,591	1	289	902	1,275	825	263	34		2
	Nonwhite	653	2	79	164	209	145	45	9		
ALEXANDRIA	Total	1,806	6	139	419	513	468	222	37	1	1
	White	1,141	2	48	214	346	334	166	30		1
	Nonwhite	665	4	91	205	167	134	56	7	1	
FAIRFAX CITY	Total	289		20	54	85	86	40	4		
	White	245		18	48	67	70	38	4		
	Nonwhite	44		2	6	18	16	2			
FALLS CHURCH	Total	126	1	3	16	30	38	29	9		
	White	118	1	3	16	29	34	26	9		
	Nonwhite	8			1	1	4	3			
MANASSAS	Total	588		53	156	225	115	31	7		1
	White	502		40	131	200	98	26	7		
	Nonwhite	86		13	25	25	17	5			1
MANASSAS PARK	Total	145		22	39	48	29	5	2		
	White	129		19	35	43	25	5	2		
	Nonwhite	16		3	4	5	4				
DISTRICT 9	Total	1,789	3	192	496	583	381	112	21		1
	White	1,508	3	137	394	505	344	107	17		1
	Nonwhite	281		55	102	78	37	5	4		
CULPEPER	Total	461	2	49	155	155	80	16	4		
	White	360	2	37	112	126	66	14	3		
	Nonwhite	101		12	43	29	14	2	1		
FAUQUIER	Total	778	1	61	192	275	183	54	11		1
	White	686	1	42	157	249	174	53	9		1
	Nonwhite	92		19	35	26	9	1	2		
MADISON	Total	158		24	39	49	33	12	1		
	White	130		16	30	42	31	10	1		
	Nonwhite	28		8	9	7	2	2			
ORANGE	Total	293		49	84	78	64	15	3		
	White	236		33	70	64	52	15	2		
	Nonwhite	57		16	14	14	12		1		
RAPPAHANNOCK	Total	99		9	26	26	21	15	2		
	White	96		9	25	24	21	15	2		
	Nonwhite	3		1	1	2					
DISTRICT 10	Total	2,422	2	256	589	762	575	200	35	2	1
	White	1,885	1	151	405	605	512	177	31	2	1
	Nonwhite	537	1	105	184	157	63	23	4		
ALBEMARLE	Total	965	1	73	199	300	272	102	17	1	
	White	838	1	56	156	265	250	95	14		
	Nonwhite	127		17	43	35	22	7	3		
FLUVANNA	Total	202	1	25	65	64	29	15	2		1
	White	137		14	36	48	26	10	2		1
	Nonwhite	65	1	11	29	16	3	5			
GREENE	Total	182		17	45	70	36	10	4		
	White	171		17	41	66	34	9	4		
	Nonwhite	11			4	4	2	1			
LOUISA	Total	292		47	88	104	42	8	3		
	White	198		27	58	70	34	6			
	Nonwhite	94		20	30	34	8	2			
NELSON	Total	164		18	47	49	38	12			
	White	130		9	37	42	33	9			
	Nonwhite	34		9	10	7	5	3			
CHARLOTTESVILLE	Total	617		76	145	175	158	53	9	1	
	White	411		28	77	114	135	48	8		
	Nonwhite	206		48	68	61	23	5	1		

(continued)

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								45 Up	Unk
			< 15	15-19	20-24	25-29	30-34	35-39	40-44			
STATE OF VIRGINIA	Total	96,538	258	11,090	25,581	30,098	20,800	7,471	1,162	43	35	
	White	70,482	75	6,365	17,244	23,012	16,719	6,066	947	37	23	
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12	
DISTRICT 11	Total	2,834	6	378	826	895	534	162	33			
	White	2,135	3	223	560	739	450	133	27			
	Nonwhite	699	3	155	266	156	84	29	6			
AMHERST	Total	362		58	109	110	61	18				
	White	281		40	78	93	51	13	6			
	Nonwhite	81		18	31	17	10	5				
APPOMATTOX	Total	177		28	65	51	27	6				
	White	116		16	41	34	20	5				
	Nonwhite	61		12	24	17	7	1				
BEDFORD	Total	593		53	146	206	134	43	11			
	White	544		43	126	200	126	40	9			
	Nonwhite	49		10	20	6	8	3	2			
CAMPBELL	Total	653	1	87	179	232	121	26	7			
	White	552	1	83	146	208	104	23	7			
	Nonwhite	101		24	33	24	17	3				
BEDFORD CITY	Total	66	1	13	23	16	6	7				
	White	43		10	10	11	5	7				
	Nonwhite	23	1	3	13	5	1					
LYNCHBURG	Total	983	4	139	304	280	185	62	9			
	White	599	2	51	159	193	144	45	5			
	Nonwhite	384	2	88	145	87	41	17	4			
DISTRICT 12	Total	3,166	9	535	967	936	524	168	27			
	White	2,033	4	279	596	642	372	123	17			
	Nonwhite	1,133	5	256	371	294	152	45	10			
FRANKLIN	Total	480	1	67	150	155	76	26	5			
	White	408		53	123	133	69	25	5			
	Nonwhite	72	1	14	27	22	7	1				
HENRY	Total	773	4	149	248	221	116	32	3			
	White	550	2	95	165	176	86	24	2			
	Nonwhite	223	2	54	83	45	30	8	1			
PATRICK	Total	167	1	28	43	52	32	10	1			
	White	157	1	25	42	49	30	9	1			
	Nonwhite	10		3	1	3	2	1				
PITTSYLVANIA	Total	631		84	201	195	107	39	5			
	White	398		40	127	127	74	27	3			
	Nonwhite	233		44	74	68	33	12	2			
DANVILLE	Total	863	3	143	262	247	152	47	9			
	White	403	1	46	109	128	85	29	5			
	Nonwhite	460	2	97	153	119	67	18	4			
MARTINSVILLE	Total	252		64	63	66	41	14	4			
	White	117		20	30	29	28	9	1			
	Nonwhite	135		44	33	37	13	5	3			
DISTRICT 13	Total	1,069	3	174	346	294	183	56	13			
	White	497		57	138	151	114	31	6			
	Nonwhite	572	3	117	208	143	69	25	7			
BRUNSWICK	Total	203		35	85	48	20	9	6			
	White	60		8	20	17	8	6	1			
	Nonwhite	143		27	65	31	12	3	5			
HALIFAX	Total	345	1	51	105	86	74	24	4			
	White	183		17	49	54	48	13	2			
	Nonwhite	162	1	34	56	32	26	11	2			
MECKLENBURG	Total	413	2	68	129	123	70	18	3			
	White	202		20	58	63	50	8	3			
	Nonwhite	211	2	48	71	60	20	10				
SOUTH BOSTON	Total	108		20	27	37	19	5				
	White	52		12	11	17	8	4				
	Nonwhite	56		8	16	20	11	1				
DISTRICT 14	Total	1,197	7	214	371	320	200	72	13			
	White	611		72	169	192	130	42	6			
	Nonwhite	586	7	142	202	128	70	30	7			
AMELIA	Total	136	1	22	37	42	29	5				
	White	86		10	21	29	23	3				
	Nonwhite	50	1	12	16	13	6	2				
BUCKINGHAM	Total	178	1	40	53	48	25	10	1			
	White	90		17	22	28	16	6	1			
	Nonwhite	88	1	23	31	20	9	4				
CHARLOTTE	Total	178	1	27	63	42	31	11	2			
	White	89		8	26	29	21	5				
	Nonwhite	89	1	19	37	13	10	6	3			
CUMBERLAND	Total	133		21	43	44	19	5	1			
	White	72		6	19	27	15	4	1			
	Nonwhite	61		15	24	17	4	1				
LUNENBURG	Total	148	1	23	50	36	21	15	2			
	White	81		9	28	22	12	10				
	Nonwhite	67	1	14	22	14	9	5	2			

(continued)

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
<u>STATE OF VIRGINIA</u>	Total	96,538	258	11,090	25,581	30,098	20,800	7,471	1,162	43	35
	White	70,482	75	6,365	17,242	23,012	16,749	6,066	943	37	23
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12
NOTTOWAY	Total	188	1	38	62	49	27	9	2		
	White	94		14	32	29	15	3	1		
	Nonwhite	94	1	24	30	20	12	6	1		
PRINCE EDWARD	Total	236	2	43	83	59	48	17	4		
	White	99		8	21	28	28	11	3		
	Nonwhite	137	2	35	42	31	20	6	1		
<u>DISTRICT 15</u>	Total	11,499	82	1,199	2,647	3,662	2,760	1,054	128	3	4
	White	7,312	4	426	1,301	2,528	2,156	800	94	3	
	Nonwhite	4,187	38	773	1,346	1,134	604	254	34		4
CHARLES CITY COUNTY	Total	85		16	24	28	10	7			
	White	29		5	5	11	2	6			
	Nonwhite	56		11	19	17	8	1			
CHESTERFIELD	Total	3,156	1	207	582	1,094	915	317	39	1	
	White	2,660		157	449	953	801	285	33		
	Nonwhite	496	1	50	133	141	114	52	6		
GOOCHLAND	Total	214	1	14	45	65	59	29	1		
	White	147	1	5	23	47	46	24			
	Nonwhite	67		9	22	18	13	5			
HANOVER	Total	857	1	48	177	332	209	70	20		
	White	743	1	34	136	296	195	63	18		
	Nonwhite	114		14	41	36	14	7	2		
HENRICO	Total	3,260	1	251	694	1,060	897	326	29	2	
	White	2,403		141	451	783	740	264	22		
	Nonwhite	857	1	110	243	277	157	62	7		
NEW KENT	Total	147		17	34	49	36	11			
	White	116		12	20	43	32	9			
	Nonwhite	31		5	14	6	4	2			
POWhatan	Total	197		16	43	76	45	16	1		
	White	181		12	39	70	43	16			
	Nonwhite	16		4	4	6	2				
RICHMOND CITY	Total	3,583	38	630	1,048	958	589	278	38		4
	White	1,833	1	60	178	325	297	153	19		
	Nonwhite	2,550	37	570	870	633	292	125	19		4
<u>DISTRICT 16</u>	Total	2,806	4	321	783	934	551	184	26	2	1
	White	2,301	2	237	603	795	481	156	24	2	
	Nonwhite	505	2	84	180	139	70	28	2		
CAROLINE	Total	318	1	37	116	87	51	23		1	
	White	185		14	58	62	37	14			
	Nonwhite	133	1	23	60	25	16	9			
KING GEORGE	Total	216		27	51	87	35	13	3		
	White	162		19	33	69	27	12	2		
	Nonwhite	54		8	18	18	8	1	1		
SPOTSYLVANIA	Total	907	1	85	250	309	184	69	9		
	White	803		68	220	277	169	60	9		
	Nonwhite	104	1	17	30	32	15	9			
STAFFORD	Total	931	1	101	228	323	210	54	13		1
	White	843		89	200	295	194	52	12		
	Nonwhite	88	1	12	28	28	16	2	1		
FREDERICKSBURG	Total	434	1	71	138	128	69	25	1	1	
	White	308		47	94	92	54	18			
	Nonwhite	126		24	44	36	15	7			
<u>DISTRICT 17</u>	Total	542	2	92	177	133	92	42	3		
	White	278		28	89	74	59	27	1		
	Nonwhite	264	2	64	88	59	33	15	2		
LANCASTER	Total	117	1	19	41	22	27	7			
	White	53		4	16	13	15	3			
	Nonwhite	64	1	15	25	9	12	2			
NORTHUMBERLAND	Total	113		11	41	29	16	14	2		
	White	55		3	18	14	12	7	1		
	Nonwhite	58		8	23	15	4	7	1		
RICHMOND	Total	85		15	28	23	14	5			
	White	51		8	17	13	10	3			
	Nonwhite	34		7	11	10	4	2			
WESTMORELAND	Total	227	2	47	67	59	35	16	1		
	White	119		13	38	34	22	12			
	Nonwhite	108	2	34	29	25	13	4	1		
<u>DISTRICT 18</u>	Total	954	3	106	267	313	188	61	14		
	White	710	2	62	181	250	153	51	12		
	Nonwhite	244	3	44	86	63	36	10	2		
ESSEX	Total	101	2	14	29	31	20	4	1		
	White	51	1	2	12	19	13	3			
	Nonwhite	50	1	12	17	12	7	1			
GLOUCESTER	Total	427	2	38	113	151	89	23	9		
	White	379	1	29	99	141	79	22	8		
	Nonwhite	48	1	9	16	10	10	1	1		

(continued)

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Race	Total	Age of Mother								
			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	Total	96,538	258	11,090	25,581	30,094	20,800	7,471	1,162	43	15
	White	70,482	75	6,365	17,242	23,012	16,719	6,066	941	37	23
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12
KING AND QUEEN	Total	97	1	9	35	27	13	11			
	White	52		6	14	17	6	8	1		
	Nonwhite	45	1	3	21	10	7	3			
KING WILLIAM	Total	162		18	38	55	41	9	1		
	White	109		8	24	34	35	8			
	Nonwhite	53		10	14	21	6	1	1		
MATHEWS	Total	67		11	22	18	11	5			
	White	55		8	18	14	11	4			
	Nonwhite	12		3	4	4		1			
MIDDLESEX	Total	100		16	28	31	14	9	2		
	White	64		9	14	25	8	6	2		
	Nonwhite	36		7	14	6	6	3			
DISTRICT 19	Total	2,565	15	404	898	753	376	108	10	1	
	White	1,205	3	145	379	418	199	56	5		
	Nonwhite	1,360	12	259	519	335	177	52	5	1	
DINWIDDIE	Total	280	1	38	99	89	51	2			
	White	163		17	54	60	32				
	Nonwhite	117	1	21	45	29	19	2			
GREENSVILLE	Total	138	1	28	40	38	21	10			
	White	50		5	9	22	9	5			
	Nonwhite	88	1	23	31	16	12	5			
PRINCE GEORGE	Total	407	4	43	134	144	66	13	3		
	White	282	2	30	91	100	47	10	2		
	Nonwhite	125	2	13	43	44	19	3	1		
SURRY	Total	88		12	24	30	20	2			
	White	31		3	9	9	10				
	Nonwhite	57		9	15	21	10	2			
SUSSEX	Total	167		18	60	58	26	5			
	White	55		1	12	28	12	2			
	Nonwhite	112		17	48	30	14	3			
COLONIAL HEIGHTS	Total	221	1	20	68	71	39	21	1		
	White	199	1	19	61	64	34	19			
	Nonwhite	22		1	7	7	5	2			
EMPORIA	Total	112	1	32	40	21	14	3	1		
	White	27		3	10	7	5	2			
	Nonwhite	85	1	29	30	14	9	1	1		
HOPEWELL	Total	396	3	72	152	109	44	14	2		
	White	253		43	90	80	28	10	2		
	Nonwhite	143	3	29	62	29	16	4			
PETERSBURG	Total	756	4	141	281	193	95	38	3	1	
	White	145		24	43	48	22	8			
	Nonwhite	611	4	117	238	145	73	30	3	1	
DISTRICT 20	Total	19,267	88	2,617	5,946	6,056	3,412	994	146	5	3
	White	12,401	14	1,205	3,630	4,244	2,455	742	108	2	1
	Nonwhite	6,866	74	1,412	2,316	1,812	957	252	38	3	2
ISLE OF WIGHT	Total	414	4	49	112	150	74	23	2		
	White	253		21	54	101	55	20			
	Nonwhite	161	4	28	58	49	19	3			
SOUTHAMPTON	Total	191	3	23	63	60	31	10	1		
	White	81		5	19	31	17	8			
	Nonwhite	110	3	18	44	29	14	2			
CHESAPEAKE	Total	2,613	5	336	709	895	502	144	20	1	1
	White	1,781	2	177	440	664	367	113	16	1	1
	Nonwhite	832	3	159	269	231	135	31	4		
FRANKLIN CITY	Total	198		43	55	62	27	10	1		
	White	72		9	14	28	14	6			
	Nonwhite	126		34	41	34	13	4			
NORFOLK	Total	5,435	39	925	2,028	1,411	769	231	31		1
	White	2,836	7	338	1,074	778	477	141	21		
	Nonwhite	2,599	32	587	954	633	292	90	10		1
PORTSMOUTH	Total	2,006	22	371	681	582	281	65	4		
	White	926	1	103	314	329	145	31	3		
	Nonwhite	1,080	21	268	367	253	136	34	1		
SUFFOLK	Total	863	6	164	264	238	138	43	7	2	1
	White	401		34	112	140	81	31	3		
	Nonwhite	462	6	130	152	98	57	12	4	2	1
VIRGINIA BEACH	Total	7,547	9	706	2,034	2,658	1,590	460	80	2	
	White	6,051	4	518	1,603	2,173	1,299	392	61	1	
	Nonwhite	1,496	5	188	431	485	291	76	19	1	
DISTRICT 21	Total	6,994	14	838	2,107	2,280	1,272	415	65	3	
	White	4,247	1	354	1,186	1,511	864	285	44	2	
	Nonwhite	2,747	13	484	921	769	408	130	21	1	
JAMES CITY COUNTY	Total	423	1	38	84	138	119	37	6		
	White	340		18	60	119	102	35	5		
	Nonwhite	83	1	20	24	19	17	2	1		

(continued)

TABLE 9
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

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			< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	
<u>STATE OF VIRGINIA</u>	Total	96,538	258	11,090	25,581	30,098	20,800	7,471	1,162	43	35
	White	70,482	75	6,365	17,242	23,012	16,719	6,066	943	37	23
	Nonwhite	26,056	183	4,725	8,339	7,086	4,081	1,405	219	6	12
<u>YORK</u>	Total	406		33	79	127	107	51	9		
	White	327		19	56	108	94	44	6		
	Nonwhite	79		14	23	19	13	7	3		
<u>HAMPTON</u>	Total	2,322	4	250	716	776	428	118	29	1	
	White	1,294		105	373	481	255	63	16	1	
	Nonwhite	1,028	4	145	343	295	173	55	13		
<u>NEWPORT NEWS</u>	Total	3,516	8	471	1,142	1,139	559	178	17	2	
	White	2,033	1	186	638	718	380	117	12	1	
	Nonwhite	1,483	7	285	504	421	199	61	5	1	
<u>POQUOSON</u>	Total	124		12	26	45	27	10	4		
	White	122		12	26	45	25	10	4		
	Nonwhite	2					2				
<u>WILLIAMSBURG</u>	Total	203	1	34	60	55	32	21			
	White	131		14	33	40	28	16			
	Nonwhite	72	1	20	27	15	4	5			
<u>DISTRICT 22</u>	Total	680	4	146	217	191	88	26	8		
	White	287		31	84	107	46	14	5		
	Nonwhite	393	4	115	133	84	42	12	3		
<u>ACCOMACK</u>	Total	468	1	103	151	139	52	18	4		
	White	211		20	64	83	31	11	2		
	Nonwhite	257	1	83	87	56	21	7	2		
<u>NORTHAMPTON</u>	Total	212	3	43	66	52	36	8	4		
	White	76		11	20	24	15	3	3		
	Nonwhite	136	3	32	46	28	21	5	1		

TABLE 10
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY BIRTH WEIGHT
VIRGINIA, 1989

BIRTH WEIGHT (In Grams)	Total	Birth Order										Unk
		1	2	3	4	5	6	7	8	9	10 Up	
TOTAL	96,538	42,486	32,496	14,282	4,639	1,427	558	208	94	47	32	277
<u>LOW WEIGHT</u>	6,941	3,151	2,022	1,063	420	164	55	28	11	5	1	21
Under 501 Grams	176	72	52	26	16	4	3	1				2
501-1500 Grams	1,197	562	335	188	73	23	9	3		1	1	2
1501-2500 Grams	5,568	2,517	1,635	849	331	137	43	24	11	4		17
<u>FULL WEIGHT</u>	89,344	39,250	30,383	13,191	4,200	1,254	490	180	83	42	31	240
2501-3500 Grams	50,144	23,290	16,237	7,015	2,320	714	248	113	45	22	15	125
3501-4500 Grams	37,375	15,373	13,424	5,849	1,763	500	232	59	35	19	14	107
Over 4500 Grams	1,825	587	722	327	117	40	10	8	3	1	2	8
WEIGHT UNKNOWN	253	85	91	28	19	9	5					16

TABLE 11
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT BY RACE AND AGE OF MOTHER
VIRGINIA, 1989

Age of Mother	Total	Birth Weight (in grams)														Unknown
		500 or Less	501 to 1,000	1,001 to 1,500	1,501 to 2,000	2,001 to 2,500	Total Low Weight	2,501 to 3,000	3,001 to 3,500	3,501 to 4,000	4,001 to 4,500	4,501 to 5,000	5,001 or More	Total Full Weight		
TOTAL	96,538	176	525	672	1,275	4,293	6,941	15,563	34,581	28,199	9,176	1,613	212	89,344	253	
< 15	258	1	2	2	12	19	36	56	115	38	11	1		221	1	
15-19	11,090	16	91	124	198	669	1,098	2,317	4,294	2,615	641	86	11	9,964	28	
20-24	25,581	61	145	207	323	1,177	1,913	4,571	9,536	7,017	2,120	332	35	23,611	57	
25-29	30,098	50	142	180	342	1,251	1,965	4,471	10,669	9,264	3,022	551	72	28,049	84	
30-34	20,800	31	84	100	262	817	1,294	2,937	7,073	6,599	2,341	427	68	19,445	61	
35-39	7,471	14	53	54	109	308	538	1,015	2,495	2,311	886	185	23	6,915	18	
40-44	1,162	3	6	4	28	45	87	174	382	337	146	29	3	1,071	4	
45 Up	43		2	1		4	7	13	9	8	5	1		36		
Unknown	35				1	2	3	9	8	10	4	1		32		
WHITE	70,482	79	234	338	727	2,488	3,866	9,665	24,461	22,732	7,966	1,429	181	66,434	182	
< 15	75				4	3	7	10	40	12	5	1		68		
15-19	6,365	9	35	46	90	304	484	1,109	2,388	1,776	514	73	8	5,868	13	
20-24	17,242	26	50	99	151	619	945	2,654	6,205	5,314	1,764	286	34	16,257	40	
25-29	23,012	18	68	100	204	750	1,140	2,939	7,991	7,696	2,640	486	60	21,812	60	
30-34	16,719	14	44	61	176	559	854	2,088	5,523	5,633	2,124	385	61	15,814	51	
35-39	6,066	10	32	27	81	215	365	727	1,992	2,002	781	169	15	5,686	15	
40-44	943	2	4	4	21	34	65	122	310	284	129	27	3	875	3	
45 Up	37		1	1		3	5	9	9	8	5	1		32		
Unknown	23					1	1	7	3	7	4	1		22		
NONWHITE	26,056	97	291	334	548	1,805	3,075	5,898	10,120	5,467	1,210	184	31	22,910	71	
< 15	183	1	2	2	8	16	29	46	75	26	6			153	1	
15-19	4,725	7	56	78	108	365	614	1,208	1,906	839	127	13	3	4,096	15	
20-24	8,339	35	95	108	172	558	968	1,917	3,331	1,703	356	46	1	7,354	17	
25-29	7,086	32	74	80	138	501	825	1,532	2,678	1,568	382	65	12	6,237	24	
30-34	4,081	17	40	39	86	258	440	849	1,550	966	217	42	7	3,631	10	
35-39	1,405	4	21	27	28	93	173	288	503	309	105	16	8	1,229	3	
40-44	219	1	2		7	12	22	52	72	53	17	2		196	1	
45 Up	6		1			1	2	4						4		
Unknown	12				1	1	2	2	5	3				10		

TABLE 12
RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER
BY AGE AND BY RACE OF MOTHER
VIRGINIA, 1989

Age of Mother	Total Births	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
TOTAL	96,538	42,486	32,496	14,282	4,639	1,427	550	208	94	47	32	277
< 15 years	258	257	1									
15-19 years	11,090	8,581	2,049	374	56	5						25
20-24 years	25,581	13,059	8,431	2,939	836	193	47	12				64
25-29 years	30,098	12,288	11,040	4,735	1,367	391	123	32	19	8		95
30-34 years	20,800	6,282	8,079	4,168	1,441	457	193	76	22	14	7	61
35-39 years	7,471	1,758	2,583	1,780	777	291	140	61	35	12	9	25
40-44 years	1,162	238	301	273	152	78	45	27	17	13	14	4
> 44 years	43	8	5	7	7	11	2		1		2	
Unknown	35	15	7	6	3	1						3
WHITE - Total	70,482	31,794	24,139	9,982	2,988	836	323	114	51	23	21	211
< 15 years	75	75										
15-19 years	6,365	5,255	972	115	12							11
20-24 years	17,242	9,495	5,665	1,614	351	53	12	5				47
25-29 years	23,012	9,974	8,522	3,316	851	201	50	15	5	3		75
30-34 years	16,719	5,274	6,561	3,274	1,065	307	129	40	12	6		51
35-39 years	6,066	1,506	2,154	1,435	577	202	100	34	22	7	8	21
40-44 years	943	200	255	218	125	61	31	20	11	7	11	4
> 44 years	37	6	4	6	6	11	1		1		2	
Unknown	23	9	6	4	1	1						2
NONWHITE - Total	26,056	10,692	8,357	4,300	1,651	591	227	94	43	24	11	66
< 15 years	183	182	1									
15-19 years	4,725	3,326	1,077	259	44	5						14
20-24 years	8,339	3,564	2,766	1,325	485	140	35	7				17
25-29 years	7,086	2,314	2,518	1,419	516	190	73	17	14	5		20
30-34 years	4,081	1,008	1,518	894	376	150	64	36	10	8	7	10
35-39 years	1,405	252	429	345	200	89	40	27	13	5	1	4
40-44 years	219	38	46	55	27	17	14	7	6	6	3	
> 44 years	6	2	1	1	1		1					
Unknown	12	6	1	2	2							

TABLE 13
PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER
BY AGE AND BY RACE OF MOTHER
VIRGINIA, 1989

Age of Mother	Total Births	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
<u>TOTAL</u>	<u>96,538</u>	<u>44.0</u>	<u>33.7</u>	<u>14.8</u>	<u>4.8</u>	<u>1.5</u>	<u>0.6</u>	<u>0.2</u>	<u>0.1</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>
< 15 years	258	99.6	0.4									
15-19 years	11,090	77.4	18.5	3.4	0.5	*						0.2
20-24 years	25,581	51.0	33.0	11.5	3.3	0.8	0.2	*				0.3
25-29 years	30,098	40.8	36.7	15.7	4.5	1.3	0.4	0.1	0.1	*		0.3
30-34 years	20,800	30.2	38.8	20.0	6.9	2.2	0.9	0.4	0.1	0.1	*	0.3
35-39 years	7,471	23.5	34.6	23.8	10.4	3.9	1.9	0.8	0.5	0.2	0.1	0.3
40-44 years	1,162	20.5	25.9	23.5	13.1	6.7	3.9	2.3	1.5	1.1	1.2	0.3
> 44 years	43	18.6	11.6	16.3	16.3	25.6	4.7		2.3		4.7	
Unknown	35	42.9	20.0	17.1	8.6	2.9						8.6
<u>WHITE - Total</u>	<u>70,482</u>	<u>45.1</u>	<u>34.2</u>	<u>14.2</u>	<u>4.2</u>	<u>1.1861</u>	<u>0.4583</u>	<u>0.1617</u>	<u>0.0724</u>	<u>0.0326</u>	<u>0.0298</u>	<u>0.2994</u>
< 15 years	75	100.0										
15-19 years	6,365	82.6	15.3	1.8	0.2							0.2
20-24 years	17,242	55.1	32.9	9.4	2.0	0.3	0.1	*				0.3
25-29 years	23,012	43.3	37.0	14.4	3.7	0.9	0.2	0.1	*	*		0.3
30-34 years	16,719	31.5	39.2	19.6	6.4	1.8	0.8	0.2	0.1	*		0.3
35-39 years	6,066	24.8	35.5	23.7	9.5	3.3	1.6	0.6	0.4	0.1	0.1	0.3
40-44 years	943	21.2	27.0	23.1	13.3	6.5	3.3	2.1	1.2	0.7	1.2	0.4
> 44 years	37	16.2	10.8	16.2	16.2	29.7	2.7		2.7		5.4	
Unknown	23	39.1	26.1	17.4	4.3	4.3						8.7
<u>NONWHITE - Total</u>	<u>26,056</u>	<u>41.0</u>	<u>32.1</u>	<u>16.5</u>	<u>6.3</u>	<u>2.3</u>	<u>0.9</u>	<u>0.4</u>	<u>0.2</u>	<u>0.1</u>	<u>*</u>	<u>0.3</u>
< 15 years	183	99.5	0.5									
15-19 years	4,725	70.4	22.8	5.5	0.9	0.1						0.3
20-24 years	8,339	42.7	33.2	15.9	5.8	1.7	0.4	0.1				0.2
25-29 years	7,086	32.7	35.5	20.0	7.3	2.7	1.0	0.2	0.2	0.1		0.3
30-34 years	4,081	24.7	37.2	21.9	9.2	3.7	1.6	0.9	0.2	0.2	0.2	0.2
35-39 years	1,405	17.9	30.5	24.6	14.2	6.3	2.8	1.9	0.9	0.4	0.1	0.3
40-44 years	219	17.4	21.0	25.1	12.3	7.8	6.4	3.2	2.7	2.7	1.4	
> 44 years	6	33.3	16.7	16.7	16.7		16.7					
Unknown	12	50.0	8.3	16.7	16.7							8.3

* Less Than 0.05 Percent

TABLE 14
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY BIRTH ORDER
VIRGINIA, 1989

BIRTH ORDER	TOTAL	HIGHEST GRADE COMPLETED						
		Elementary		High School		College		Unknown
		0-6	7-8	9-11	12	1-3	4 Up	
TOTAL	96,538	967	2,337	14,634	37,231	19,485	21,381	503
1	42,486	346	991	6,249	16,032	8,555	10,125	188
2	32,496	252	601	4,239	12,948	6,825	7,481	150
3	14,282	165	418	2,422	5,623	2,828	2,752	74
4	4,639	104	184	1,065	1,738	840	679	29
5	1,427	52	74	382	497	236	177	9
6	550	26	37	158	181	91	51	6
7	208	7	16	59	78	32	15	1
8	94	5	4	25	28	12	19	1
9	47	4	5	11	12	7	6	2
10 Up	32	5	4	3	8	10	2	
Unknown	277	1	3	21	86	49	74	43

TABLE 15
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1989

TRIMESTER CARE BEGAN --	TOTAL	HIGHEST GRADE COMPLETED						
		Elementary		High School		College		Unknown
		0-6	7-8	9-11	12	1-3	4 Up	
TOTAL	96,538	967	2,337	14,634	37,231	19,485	21,381	503
First	76,305	500	1,322	8,899	28,787	16,647	19,870	280
Second	15,056	276	712	4,140	6,410	2,223	1,198	97
Third	2,986	138	171	885	1,195	359	199	39
None	1,509	43	99	570	565	158	37	37
Unknown	682	10	33	140	274	98	77	50

TABLE 16
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY TRIMESTER CARE BEGAN
VIRGINIA, 1989

TRIMESTER CARE BEGAN	TOTAL	BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10 Up	Unknown
TOTAL	96,538	42,486	32,496	14,282	4,639	1,427	550	208	94	47	32	277
First	76,305	34,325	26,393	10,774	3,214	904	316	115	49	23	21	171
Second	15,056	6,320	4,567	2,558	983	343	145	57	27	10	5	41
Third	2,986	1,175	886	525	223	100	39	16	9	2	3	8
None	1,509	410	433	314	190	67	42	18	8	12	3	12
Unknown	682	256	217	111	29	13	8	2	1			45

TABLE 17
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1989

TRIMESTER CARE BEGAN	TOTAL	AGE OF MOTHER											
		< 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45 Up
TOTAL	96,538	258	528	1,266	2,023	3,075	4,198	25,581	30,098	20,800	7,471	1,162	43
First	76,305	103	244	618	1,077	1,729	2,594	18,487	25,407	18,399	6,590	991	37
Second	15,056	103	204	458	674	996	1,215	5,222	3,551	1,850	656	121	4
Third	2,986	31	46	126	168	219	255	1,089	626	277	126	21	1
None	1,509	18	26	53	80	99	95	576	330	159	53	19	1
Unknown	682	3	8	11	24	32	39	207	184	115	46	10	3

TABLE 18
RESIDENT LIVE BIRTHS WITH APGAR SCORE BY AGE OF MOTHER
VIRGINIA, 1989

AGE OF MOTHER OF INFANT	TOTAL BIRTHS	ONE MINUTE APGAR SCORE											
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	96,538	43	864	819	1,017	1,326	1,944	3,180	8,638	42,851	34,598	440	818
< 15 Years	258		2	1	4	5	10	10	26	104	90		6
15-19 Years	11,090	4	130	141	153	180	260	385	1,122	4,499	4,067	51	98
20-24 Years	25,581	6	274	231	307	371	534	884	2,385	11,058	9,172	117	242
25-29 Years	30,098	19	226	225	294	375	569	962	2,624	13,600	10,817	148	239
30-34 Years	20,800	8	138	151	172	259	382	664	1,714	9,588	7,472	81	171
35-39 Years	7,471	5	74	60	77	112	153	225	655	3,452	2,569	35	54
40-44 Years	1,162	1	19	10	10	22	34	42	105	522	382	8	7
> 44 Years	43					2	1	6	3	18	13		
Age Unknown	35		1				1	2	4	10	16		1

AGE OF MOTHER OF INFANT	TOTAL BIRTHS	FIVE MINUTE APGAR SCORE											
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	96,538	46	253	129	90	155	281	687	1,643	7,496	77,038	7,878	842
< 15 Years	258			1	1	1	1	2	7	19	203	16	7
15-19 Years	11,090	4	36	25	10	28	38	119	257	995	8,630	848	100
20-24 Years	25,581	12	78	38	32	46	89	203	451	2,110	20,265	1,999	258
25-29 Years	30,098	15	74	39	30	38	88	190	467	2,177	24,243	2,499	238
30-34 Years	20,800	7	32	23	13	25	37	119	311	1,511	16,726	1,821	175
35-39 Years	7,471	6	28	3	4	14	22	46	123	579	5,993	597	56
40-44 Years	1,162	2	5			3	6	8	25	96	915	95	7
> 44 Years	43								1	8	32	2	
Age Unknown	35								1	1	31	1	1

TABLE 19
RESIDENT LIVE BIRTHS WITH APGAR SCORE BY RACE AND SEX
VIRGINIA, 1989

RACE AND SEX OF INFANT	TOTAL BIRTHS	ONE MINUTE APGAR SCORE											
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	96,538	43	864	819	1,017	1,326	1,944	3,180	8,638	42,851	34,598	440	818
White Male	36,125	15	233	269	311	452	713	1,183	3,158	15,490	12,843	210	248
White Female	34,357	11	206	181	265	359	596	1,016	3,071	17,792	12,472	173	215
Nonwhite Male	13,211	9	217	200	248	249	342	492	1,219	5,271	4,778	31	155
Nonwhite Female	12,845	8	208	169	193	266	293	489	1,190	5,298	4,505	26	200

RACE AND SEX OF INFANT	TOTAL BIRTHS	FIVE MINUTE APGAR SCORE											
		00	01	02	03	04	05	06	07	08	09	10	Unk
TOTAL	96,538	46	253	129	90	155	281	687	1,643	7,496	77,038	7,878	842
White Male	36,125	12	65	28	20	44	76	210	559	2,704	28,835	3,325	247
White Female	34,357	12	53	25	27	46	73	163	483	2,394	27,399	3,455	227
Nonwhite Male	13,211	11	63	39	27	38	65	165	326	1,243	10,512	555	167
Nonwhite Female	12,845	11	72	37	16	27	67	149	275	1,155	10,292	543	201

TABLE 20
EVENTS OF LABOR AND DELIVERY REPORTED FOR RESIDENT LIVE BIRTHS
BY TRIMESTER CARE BEGAN
VIRGINIA, 1989

EVENTS OF LABOR AND DELIVERY REPORTED FOR LIVE BIRTHS	TOTAL EVENTS	TRIMESTER CARE BEGAN				
		First	Second	Third	None	Unk
Unduplicated Count of Births	31,213	24,420	5,059	1,013	528	193
Placenta Previa	466	391	61	8	4	2
Abruptio Placenta	558	432	79	19	19	9
Other Excessive Bleeding	510	401	85	14	9	1
Breech/Malpresentation	3,530	2,884	477	81	71	17
Cephalopelvic Disproportion	4,292	3,633	502	103	32	22
Meconium, Moderate/Heavy	11,066	8,404	2,011	392	187	72
Premature Rupture of Membrane	2,759	2,093	483	83	82	18
Febrile	1,328	1,060	193	41	27	7
Precipitous Labor	3,922	3,036	650	150	55	31
Prolonged Labor	775	643	104	18	5	5
Cord Prolapse	240	179	47	7	5	2
Anesthetic Complications	48	38	8	2		
Other Complications of Labor and Delivery	10,089	7,653	1,781	377	212	66

TABLE 21
CONGENITAL ANOMALIES REPORTED FOR RESIDENT LIVE BIRTHS
BY TRIMESTER CARE BEGAN
VIRGINIA, 1989

CONGENITAL ANOMALIES REPORTED	TOTAL ANOMALIES	TRIMESTER CARE BEGAN				
		First	Second	Third	None	Unk
Unduplicated Count of Infants With Anomalies	1,609	1,214	268	61	46	20
Anencephalus	10	8	1			1
Spina Bifida/Meningocele	16	13	3			
Microcephalus	3	2				1
Hydrocephalus	20	14	5	1		
Other Central Nervous System Anomalies	15	12	3			
Heart Malformations	73	60	7	4	2	
Other Circulatory/Respiratory Anomalies	136	102	24	4	6	
Cleft Lip/Palate	83	73	7	1	2	
Tracheo-Esophageal Fistula/Esophageal Atresia	8	6	1	1		
Rectal Atresia/Stenosis	5	4	1			
Other Gastrointestinal Anomalies	20	17	2	1		
Malformed Genitalia	41	32	4	2		3
Renal Agenesis	7	6	1			
Other Urogenital Anomalies	98	73	20	4		1
Clubfoot	45	38	4	2	1	
Polydactyly/Syndactyly/Adactyly	120	81	27	5	3	4
Diaphragmatic Hernia	11	10	1			
Omphalocele/Gastroschisis	21	16	3	1		1
Other Musculoskeletal/Integumental Anomalies	123	91	22	5	4	1
Down's Syndrome	45	36	7		2	
Other Chromosomal Anomalies	90	73	9	4	3	1
Other Specified Anomalies	802	589	141	31	29	12

TABLE 22
RESIDENT LIVE BIRTHS AND NATURAL FETAL DEATHS BY RACE AND SEX
BY MONTH OF DELIVERY AND NUMBER DELIVERED PER PREGNANCY
VIRGINIA, 1989

Month	LIVE BIRTHS						NATURAL FETAL DEATHS					
	Total	White		Nonwhite		Total	White			Nonwhite		
		Male	Female	Male	Female		Male	Female	Unk	Male	Female	Unk
TOTAL	96,538	36,125	34,357	13,211	12,845	7,785	339	243	5,167	232	166	1,638
January	7,712	2,890	2,640	1,105	1,077	720	34	15	468	21	15	167
February	7,173	2,716	2,527	970	960	605	24	23	389	15	15	139
March	8,169	3,105	2,946	1,080	1,038	702	32	18	463	29	17	143
April	7,564	2,956	2,700	979	929	643	23	13	438	16	7	146
May	7,932	3,037	2,909	1,031	955	641	25	19	427	24	12	134
June	7,967	2,931	2,903	1,058	1,075	627	30	26	416	17	7	131
July	8,615	3,168	3,034	1,248	1,165	624	33	22	397	23	15	134
August	8,797	3,264	3,109	1,208	1,216	689	27	23	443	16	20	160
September	8,579	3,199	2,976	1,206	1,198	710	35	20	501	17	15	122
October	8,248	3,037	3,004	1,107	1,100	678	26	20	457	22	12	141
November	7,881	2,920	2,829	1,084	1,048	576	24	25	399	15	14	99
December	7,901	2,902	2,780	1,135	1,084	570	26	19	369	17	17	122
Single births	94,239	35,316	33,520	12,888	12,515	7,675	298	221	5,151	217	156	1,632
Born as twins	2,204	764	799	313	328	96	38	3	9	15	10	5
Born as triplets	91	43	36	10	2	14	3	3	7			1
Born as quads	4	2	2									

TABLE 23
RESIDENT LIVE BIRTHS BY RACE AND SEX
AND BY SEX RATIO OF MALES PER 1,000 FEMALES
VIRGINIA, 1980-1989

YEAR	Total				White				Nonwhite		
	Sex				Sex				Sex		
	Male	Female	Ratio		Male	Female	Ratio		Male	Female	Ratio
1980	40,086	38,337	1.046		29,842	28,205	1.058		10,244	10,132	1.011
1981	40,862	38,416	1.064		30,379	28,441	1.068		10,483	9,975	1.051
1982	41,626	39,472	1.055		31,198	29,271	1.066		10,428	10,201	1.022
1983	41,508	39,271	1.057		31,045	29,041	1.069		10,463	10,230	1.023
1984	42,430	40,232	1.055		31,596	29,795	1.060		10,834	10,437	1.038
1985	44,340	41,644	1.065		33,238	30,761	1.081		11,102	10,883	1.020
1986	44,307	42,818	1.035		32,777	31,623	1.036		11,530	11,195	1.030
1987	46,321	43,993	1.053		34,327	32,558	1.054		11,994	11,435	1.049
1988	47,326	45,490	1.040		34,876	33,346	1.046		12,450	12,144	1.025
1989	49,336	47,202	1.045		36,125	34,357	1.051		13,211	12,845	1.028

TABLE 24
RESIDENT PREGNANCIES BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
(LIVE BIRTHS, NATURAL FETAL DEATHS, AND INDUCED ABORTIONS)
BY AGE OF MOTHER, VIRGINIA, 1989

Age of Mother	Total				White				Nonwhite		
	Number		Percent Illeg		Number		Percent Illeg		Number		Percent Illeg
	Total	Illeg			Total	Illeg			Total	Illeg	
TOTAL	136,907	54,322	39.7		97,347	28,890	29.7		39,560	25,432	64.3
< 15 years	566	547	96.6		214	200	93.5		352	347	98.6
15-19 years	<u>19,571</u>	<u>15,412</u>	<u>78.7</u>		<u>12,031</u>	<u>8,385</u>	<u>69.7</u>		<u>7,540</u>	<u>7,027</u>	<u>93.2</u>
15 years	996	952	95.6		498	456	91.6		498	496	99.6
16 years	2,327	2,070	89.0		1,290	1,053	81.6		1,037	1,017	98.1
17 years	3,700	3,125	84.5		2,254	1,731	76.8		1,446	1,394	96.4
18 years	5,749	4,529	78.8		3,592	2,526	70.3		2,157	2,003	92.9
19 years	6,799	4,736	69.7		4,397	2,619	59.6		2,402	2,117	88.1
20-24 years	37,971	19,123	50.4		25,173	9,953	39.5		12,798	9,170	71.7
25-29 years	39,497	11,041	28.0		29,238	5,777	19.8		10,259	5,264	51.3
30-34 years	26,652	5,284	19.8		20,776	2,856	13.7		5,876	2,428	41.3
35-39 years	10,449	2,309	22.1		8,173	1,313	16.1		2,276	996	43.8
40-44 years	1,914	470	24.6		1,523	315	20.7		391	155	39.6
> 44 years	88	27	30.7		68	16	23.5		20	11	55.0
Unknown	199	109			151	75			48	34	

TABLE 25
RESIDENT LIVE BIRTHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1989

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	96,538	24,390	25.3	70,482	10,062	14.3	26,056	14,328	55.0
< 15 years	258	243	94.2	75	63	84.0	183	180	98.4
15-19 years	<u>11,090</u>	<u>7,353</u>	<u>66.3</u>	<u>6,365</u>	<u>3,066</u>	<u>48.2</u>	<u>4,725</u>	<u>4,287</u>	<u>90.7</u>
15 years	528	491	93.0	209	173	82.8	319	318	99.7
16 years	1,266	1,030	81.4	600	380	63.3	666	650	97.6
17 years	2,023	1,501	74.2	1,120	641	57.2	903	860	95.2
18 years	3,075	1,996	64.9	1,819	863	47.4	1,256	1,133	90.2
19 years	4,198	2,335	55.6	2,617	1,009	38.6	1,581	1,326	83.9
20-24 years	25,581	8,970	35.1	17,242	3,661	21.2	8,339	5,309	63.7
25-29 years	30,098	4,790	15.9	23,012	1,971	8.6	7,086	2,819	39.8
30-34 years *	20,800	2,141	10.3	16,719	905	5.4	4,081	1,236	30.3
35-39 years	7,471	760	10.2	6,066	332	5.5	1,405	428	30.5
40-44 years	1,162	119	10.2	943	59	6.3	219	60	27.4
> 44 years	43	5	11.6	37	3	8.1	6	2	33.3
Unknown	35	9		23	2		12	7	

TABLE 26
RESIDENT INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1989

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	32,584	27,281	83.7	21,116	17,411	82.5	11,468	9,870	86.1
< 15 years	288	284	98.6	132	130	98.5	156	154	98.7
15-19 years	<u>7,713</u>	<u>7,461</u>	<u>96.7</u>	<u>5,211</u>	<u>5,006</u>	<u>96.1</u>	<u>2,502</u>	<u>2,455</u>	<u>98.1</u>
15 years	421	415	98.6	262	257	98.1	159	158	99.4
16 years	967	956	98.9	646	638	98.8	321	319	99.1
17 years	1,521	1,492	98.1	1,045	1,023	97.9	476	469	98.5
18 years	2,455	2,373	96.7	1,643	1,579	96.1	812	794	97.8
19 years	2,349	2,225	94.7	1,615	1,509	93.4	734	716	97.5
20-24 years	10,765	9,383	87.2	6,840	5,901	86.3	3,925	3,482	88.7
25-29 years	7,176	5,612	78.2	4,542	3,465	76.3	2,634	2,147	81.5
30-34 years	3,970	2,790	70.3	2,560	1,753	68.5	1,410	1,037	73.5
35-39 years	2,025	1,359	67.1	1,361	875	64.3	664	484	72.9
40-44 years	535	304	56.8	395	222	56.2	140	82	58.6
> 44 years	27	18	66.7	17	11	64.7	10	7	70.0
Unknown	95	70		58	48		27	22	

TABLE 27
RESIDENT NATURAL FETAL DEATHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1989

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	7,785	2,551	34.1	5,749	1,417	24.6	2,036	1,234	60.6
< 15 years	20	20	100.0	7	7	100.0	13	13	100.0
15-19 years	<u>768</u>	<u>598</u>	<u>77.9</u>	<u>455</u>	<u>313</u>	<u>68.8</u>	<u>313</u>	<u>285</u>	<u>91.1</u>
15 years	47	46	97.9	27	26	96.3	20	20	100.0
16 years	94	84	89.4	44	35	79.5	50	49	98.0
17 years	156	132	84.6	89	67	75.3	67	65	97.0
18 years	219	160	73.1	130	84	64.6	89	76	85.4
19 years	252	176	69.8	165	101	61.2	87	75	86.2
20-24 years	1,625	770	47.4	1,091	391	35.8	534	379	71.0
25-29 years	2,223	639	28.7	1,684	341	20.2	539	298	55.3
30-34 years	1,882	353	18.8	1,497	198	13.2	385	155	40.3
35-39 years	953	190	19.9	746	106	14.2	207	84	40.5
40-44 years	217	47	21.7	185	34	18.4	32	13	40.6
> 44 years	18	4	22.2	14	2	14.3	4	2	50.0
Unknown	79	30		70	25		9	5	

TABLE 28
TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Teenage Total Pregnancies				Teenage Live Births				Teenage Induced Abortions				Teenage Natural Fetal Deaths			
	Total < 15	15-17	18-19		Total < 15	15-17	18-19		Total < 15	15-17	18-19		Total < 15	15-17	18-19	
STATE OF VIRGINIA	20,137	566	7,023	12,548	11,348	258	3,817	7,273	8,001	288	2,909	4,804	788	20	297	471
DISTRICT 1	314	3	137	174	263	1	110	152	45	2	24	19	6		3	2
LEE	87		41	46	69		32	37	17		8	9	1		1	
SCOTT	54	1	23	30	52	1	22	29	1		1		1			1
WISE	157	2	65	90	127		49	78	26	2	14	10	4		2	2
NORTON	16		8	8	15		7	8	1		1					
DISTRICT 2	310	5	110	195	250	2	88	160	37	3	10	24	23		12	11
BUCHANAN	72		22	50	63		19	44	4			4	5		3	2
DICKENSON	46	1	20	25	40	1	18	21	5		1	4	1		1	
RUSSELL	73		28	44	57		21	36	13	1	5	7	3		2	1
TAZEWELL	119	3	40	76	90	1	30	59	15	2	4	9	14		6	8
DISTRICT 3	525	2	186	337	404	1	129	274	99	1	48	50	22		9	13
BLAND	11		1	10	6			6	3		1	2	2			2
CARROLL	67		26	41	48		15	33	15		9	6	4		2	2
GRAYSON	53		16	37	39		9	30	11		5	6	3		2	1
SMYTH	109		40	69	85		30	55	21		9	18	3		1	2
WASHINGTON	122	1	49	72	92		34	58	23	1	12	10	7		3	4
WITHE	83	1	31	51	61	1	21	39	20		10	10	2			2
BRISTOL	50		14	36	46		13	33	4		1	3				
GALE	30		9	21	27		7	20	2		1	1	1		1	
DISTRICT 4	485	11	141	333	228	6	76	146	229	4	54	171	28	1	11	16
FLOYD	22		7	15	18		5	13	3		1	2	1		1	
OILES	49	4	10	35	31	3	8	20	16	1	2	13	2			2
MONTGOMERY	205	3	56	146	89	1	31	57	109	2	23	84	7		2	5
PULASKY	128	3	57	68	78	2	30	46	39		21	18	11	1	6	4
RADFORD	81	1	11	69	12		2	10	62	1	7	54	7		2	5
DISTRICT 5	847	21	329	497	444	9	169	266	352	11	135	206	51	1	25	25
ALLEGANY	38	3	14	21	13	1	3	9	25	2	11	12				
BOTETOURT	47	2	19	26	25		11	14	21	2	8	11	1			1
CRAIG	9		3	6	3			3	6		3	3				
ROANOKE	140		49	91	61		20	41	69		23	46	10		6	4
CLIFTON FORGE	5		1	4	5		1	4								
COVINGTON	14		8	6	11		6	5	3		2	1				
ROANOKE CITY	507	13	208	286	282	5	114	163	190	7	77	106	35	1	17	17
SALEM	87	3	27	57	44	3	14	27	38		11	27	5		2	3
DISTRICT 6	542	11	172	359	348	3	116	229	171	7	49	115	23	1	7	15
AUGUSTA	142	4	57	81	76	1	24	51	61	2	32	27	5	1	1	3
BATH	14		4	10	10		1	9	2		2		2		1	1
HIGHLAND	3			3	1			1	2			2				
ROCKBRIDGE	44	1	9	34	26	1	5	20	17		4	13	1			1
ROCKINGHAM	138	4	39	95	81		31	50	49	4	6	39	8		2	6
BUENA VISTA	26		5	21	21		5	16	4			4	1			1
HARRISONBURG	63	2	19	42	43	1	14	28	18	1	3	14	2		2	
LEXINGTON	19		4	15	11		3	8	7		1	6				1
STAUNTON	42		16	26	34		14	20	6		1	5	2		1	1
WAYNESBORO	51		19	32	45		19	26	5			5	1			1
DISTRICT 7	388	8	149	231	284	5	94	185	70	2	42	26	34	1	13	20
CLARKE	18		8	12	14		2	12	3		3		1		1	
FREDERICK	100	4	36	60	71	2	23	46	19	1	9	9	10	1	4	5
PAGE	61	1	27	33	46	1	14	31	10		9	1	5		4	1
SHENANDOAH	65	1	27	37	49	1	21	27	9		5	4	7		1	6
WARREN	81	1	34	46	52		18	34	23	1	14	8	6		2	4
WINCHESTER	63	1	19	43	52	1	16	35	6		2	4	5		1	4
DISTRICT 8	2,548	70	1,271	2,207	1,450	26	443	981	1,990	43	785	1,162	108	1	43	64
ARLINGTON	365	13	134	218	172	8	64	100	186	5	68	113	7		2	5
FAIRFAX	1,556	26	567	963	581	7	176	398	937	19	377	541	38		14	24
LOUDOUN	192	3	66	123	82	1	20	61	103	2	44	57	7		2	5
PRINCE WILLIAM	757	11	264	482	371	3	102	266	351	7	146	198	35	1	16	18
ALEXANDRIA	450	12	162	270	145	6	51	88	293	6	106	181	12		5	7
FAIRFAX CITY	71	1	22	48	20		10	10	51	1	12	38				
FALLS CHURCH	18	1	7	10	4	1	1	2	13		6	7	1			1
MANASSAS	112	3	43	66	53		15	38	54	3	24	24	8		4	4
MANASSAS PARK	27		5	21	22		4	18	5		2	3				
DISTRICT 9	351	7	132	212	195	3	65	127	138	3	56	79	18	1	11	6
CULPEPER	103	4	39	60	51	2	16	33	44	1	17	26	8	1	6	1
FAUQUIER	116	1	37	78	62	1	20	41	51		15	36	3		2	1
MADISON	38		17	21	24		10	14	12		6	6	2		1	1
ORANGE	81	2	34	45	49		17	32	29	2	16	11	3		1	2
RAFFAELHOCK	13		5	8	9		2	7	2		2		2		1	1
DISTRICT 10	488	15	148	325	258	2	81	175	206	13	59	134	24		8	16
ALBEMARLE	128	3	39	86	74	1	21	52	44	2	13	29	10		5	5
FLUVANNA	40	2	16	22	26	1	8	17	14		8	5				
GREENE	27		7	20	17		2	15	8		5	3	2			2
LOUISA	76	3	24	49	47		17	30	27	3	7	17	2			2
NELSON	34	2	13	19	18		10	8	14	2	3	9	2			2
CHARLOTTESVILLE	183	5	49	129	76		23	53	99	5	23	71	8		3	5
DISTRICT 11	667	19	247	401	384	6	141	237	243	11	87	145	40	2	19	19
AMHERST	115	1	45	70	58		22	36	48	1	19	28	10		4	6
APPOMATTOX	49		18	31	28		11	17	18		6	12	3		1	2
BEDFORD	82	2	30	50	53		17	36	23	2	9	12	6		4	2
CAMPBELL	149	1	57	91	88	1	32	55	52		22	30	9		3	6
BEDFORD CITY	24	3	9	12	14	1	6	7	9	2	3	4	1			1
LYNCHBURG	247	12	88	147	143	4	53	86	93	6	28	59	11	2	7	2

(continued)

TABLE 28
TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	Teenage Total Pregnancies				Teenage Live Births				Teenage Induced Abortions				Teenage Natural Fetal Deaths			
	Total < 15	15-17	18-19		Total < 15	15-17	18-19		Total < 15	15-17	18-19		Total < 15	15-17	18-19	
STATE OF VIRGINIA	20,137	566	7,023	12,548	11,348	258	3,817	7,273	8,001	288	2,909	4,804	788	20	297	471
DISTRICT 12	839	23	304	512	544	9	200	335	254	13	87	154	41	1	17	23
FRANKLIN	118	2	35	81	68	1	23	44	46	1	11	34	4		1	3
HENRY	239	10	86	143	153	4	53	96	73	6	26	41	13		7	6
PATRICK	46	2	15	29	29	1	9	19	15		6	9	2	1		1
PITTSYLVANIA	157	3	57	97	84		31	53	67	3	24	40	6		2	4
DANVILLE	197	6	84	107	146	3	62	81	36	3	16	17	15		6	9
MARTINSVILLE	82		27	55	64		22	42	17		4	13	1		1	
DISTRICT 13	317	14	108	195	177	3	60	114	121	10	40	71	19	1	8	10
BRUNSWICK	58	4	17	37	35		11	24	22	4	5	13	1		1	
HALIFAX	115	7	37	71	52	1	17	34	55	5	18	32	8	1	2	5
MECKLENBURG	115	3	39	73	70	2	22	46	38	1	12	25	7		5	2
SOUTH BOSTON	29		15	14	20		10	10	6		5	1	3			3
DISTRICT 14	326	9	110	207	221	7	78	136	91	2	27	62	14		5	2
AMELIA	32	1	11	20	23	1	6	16	5		5	4				
BUCKINGHAM	53	1	24	28	41	1	20	20	12		4	8				
CHARLOTTE	37	1	12	24	28	1	10	17	7		1	6	2		1	1
CUMBERLAND	30		9	21	21		6	15	9		3	6				
LUXEMBURG	43	1	14	28	24	1	7	16	15		5	10	4		2	2
NOTTOWAY	56	3	23	30	39	1	16	22	14	2	6	6	3		1	2
PRINCE EDWARD	75	2	17	56	45	2	13	30	25		3	22	5		1	4
DISTRICT 15	2,544	92	853	1,599	1,281	42	445	754	1,249	48	396	805	54	2	12	40
CHARLES CITY COUNTY	22		7	15	16		4	12	6		3	3				
CHESTERFIELD	544	11	181	352	208	1	59	148	318	10	118	190	18		4	14
GOOCHLAND	27	2	10	15	15	1	4	14	11	1	5	5	1		1	
HAMOVER	137	3	47	87	49	1	16	32	83	2	30	51	5		1	4
HENRICO	642	9	211	422	252	1	86	165	384	8	124	252	6		1	5
NEW KENT	34		11	23	17		3	14	15		8	7	2			2
POWHATAN	33		16	17	16		8	8	16		8	8	1			1
RICHMOND CITY	1,105	67	370	668	668	38	265	365	416	27	100	289	21	2	5	14
DISTRICT 16	575	13	197	365	325	4	104	217	232	9	84	139	18		9	2
CAROLINE	80	2	25	53	38	1	9	28	39	1	13	25	3		3	2
KING GEORGE	42		18	24	27		14	13	14		4	10	1			1
SPOTSYLVANIA	155	4	44	107	86	1	22	63	64	3	20	41	5		2	3
STAFFORD	173	5	69	99	102	1	37	64	65	4	29	32	6		3	3
FREDERICKSBURG	125	2	41	82	72	1	22	49	50	1	18	31	3		1	2
DISTRICT 17	142	6	46	90	95	3	30	62	42	2	15	25	5	1	1	3
LANCASTER	32	2	15	15	20	1	8	11	11	1	4	3	1			1
NORTHUMBERLAND	21		6	15	11		2	9	10		4	6				
RICHMOND	22		11	11	15		7	8	6		3	3	1		1	
WESTMORELAND	67	4	14	49	49	2	13	34	15	1	1	13	3	1		2
DISTRICT 18	205	9	58	138	111	5	22	94	88	4	35	49	6		1	5
ESSEX	28	3	4	21	16	2	2	12	11	1	2	8	1			1
GLOUCESTER	69	2	20	47	40	2	7	31	26		12	14	3		1	2
KING & QUEEN	20	2	4	14	10	1	1	8	10	1	3	6				
KING WILLIAM	45	2	15	28	18		6	12	27	2	9	16				
MATHEWS	20		7	13	11		2	9	8		5	3	1			1
MIDDLESEX	23		8	15	16		4	12	6		4	2	1			1
DISTRICT 19	723	35	235	453	419	15	136	268	270	19	90	161	34	1	9	24
DINWIDDIE	67	4	25	38	39	1	14	24	28	3	9	14	2		2	
GREENSVILLE	59	3	27	29	29	1	11	17	29	2	16	11	1			1
PRINCE GEORGE	75	6	18	51	47	4	12	31	25	2	5	18	3		1	2
SURRY	17		5	12	12		3	9	4		2	2	1			1
SUSSEX	38	1	13	24	18		4	14	14		8	6	6	1	1	4
COLONIAL HEIGHTS	50	3	15	32	21	1	6	14	29	3	9	18				
EMORIA	36	1	12	23	33	1	1	21	3		1	2				
HOPEWELL	123	5	34	84	75	3	21	51	43	2	13	28	5			5
PETERSBURG	258	12	86	160	145	4	54	87	97	8	27	62	16		5	11
DISTRICT 20	4,225	148	1,466	2,611	2,705	88	898	1,719	1,392	57	528	807	128	2	40	65
ISLE OF WIGHT	87	7	35	45	53	4	18	31	30	3	16	11	4		1	3
SOUTHAMPTON	39	4	13	22	26	3	8	15	13	1	5	7				
CHESAPEAKE	566	18	218	330	341	5	130	206	212	13	84	115	13		4	9
FRANKLIN CITY	49	1	24	24	43		21	22	6	1	3	2				
WORFOLK	1,375	49	442	884	964	39	312	613	376	10	119	247	35		11	24
PORTSMOUTH	560	29	219	312	393	22	144	227	139	4	64	71	28	3	11	14
SUFFOLK	241	10	93	138	170	6	59	105	61	4	28	29	10		6	4
VIRGINIA BEACH	1,308	30	422	856	715	9	206	500	555	21	209	325	38		7	31
DISTRICT 21	1,587	39	560	988	852	14	280	558	656	22	247	387	79	1	33	43
JAMES CITY COUNTY	94	3	30	61	39	1	14	24	49	2	18	31	8			8
YORK	62	1	22	39	33		11	22	27	1	11	15	2			2
HAMPTON	542	15	179	348	254	4	75	15	265	11	94	160	23		10	13
NEWPORT NEWS	788	18	285	485	479	8	158	313	267	7	108	152	42	3	19	20
POQUOSON	33		16	17	12		7	5	19		9	10	2			2
WILLIAMSBURG	68	2	28	38	35	1	15	19	29	1	9	19	4		4	
DISTRICT 22	184	5	63	116	150	4	52	94	21	1	10	12	11		1	10
ACCOMACK	124	2	45	77	104	1	39	64	14	1	6	7	6			6
NORTHAMPTON	60	3	18	39	46	3	13	30	9		4	5	5		1	4
UNKNOWN	5	1	1	3					3	1	1	1	2			2

TABLE 29
INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	All Induced Abortions			Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	32,584	21,116	11,468	27,281	17,411	9,870	83.7	82.5	86.1
<u>DISTRICT 1</u>	127	123	4	95	92	3	74.8	74.8	75.0
LEE	38	38		29	29		80.6	80.6	
SCOTT	25	24	1	14	13	1	56.0	54.2	100.0
WISE	62	60	2	49	48	1	79.0	80.0	50.0
NORTON	4	3	1	3	2	1	75.0	66.7	100.0
<u>DISTRICT 2</u>	123	122	1	92	91	1	74.8	74.6	100.0
BUCHANAN	30	30		24	24		80.0	80.0	
DICKENSON	10	10		9	9		90.0	90.0	
RUSSELL	35	35		23	23		65.7	65.7	
TAZEWELL	48	47	1	36	35	1	75.0	74.5	100.0
<u>DISTRICT 3</u>	350	340	10	270	263	7	77.1	77.4	70.0
BLAND	9	9		8	8		88.9	88.9	
CARROLL	46	46		34	34		73.9	73.9	
GRAYSON	30	28	2	20	18	2	66.7	64.3	100.0
SMYTH	55	55		44	44		80.0	80.0	
WASHINGTON	102	100	2	84	83	1	82.4	83.0	50.0
WYTHE	77	74	3	58	57	1	75.3	77.0	33.3
BRISTOL	20	18	2	13	11	2	65.0	61.1	100.0
GALE	11	10	1	9	8	1	81.8	80.0	100.0
<u>DISTRICT 4</u>	711	638	73	617	560	57	86.8	87.8	78.1
FLOYD	14	13	1	7	7		50.0	53.8	0.0
GILES	30	30		25	25		83.3	83.3	
MONTGOMERY	429	380	49	368	330	38	85.8	86.8	77.6
PULASKI	74	70	4	64	61	3	86.5	87.1	75.0
RADFORD	164	145	19	153	137	16	93.3	94.5	84.2
<u>DISTRICT 5</u>	1,098	853	245	919	700	219	83.7	82.1	89.4
ALLEGANY	51	42	9	45	38	7	88.2	90.5	77.8
BOTETOURT	59	53	6	48	42	6	81.4	79.2	100.0
CRAIG	11	10	1	8	7	1	72.7	70.0	100.0
ROANOKE	199	186	13	152	142	10	76.4	76.3	76.9
CLIFTON FORGE	3	3		2	2		66.7	66.7	
COVINGTON	4	3	1	4	3	1	100.0	100.0	100.0
ROANOKE CITY	643	433	210	550	360	190	85.5	83.1	90.5
SALEM	128	123	5	110	106	4	85.9	86.2	80.0
<u>DISTRICT 6</u>	644	559	85	540	465	75	83.9	83.2	88.2
AUGUSTA	236	205	31	199	173	26	84.3	84.4	83.9
BATH	11	10	1	9	9		81.8	90.0	0.0
HIGHLAND	3	3		2	2		66.7	66.7	
ROCKBRIDGE	60	55	5	48	43	5	80.0	78.2	100.0
ROCKINGHAM	190	172	18	156	140	16	82.1	81.4	88.9
BUENA VISTA	8	8		5	5		62.5	62.5	
HARRISONBURG	51	43	8	47	39	8	92.2	90.7	100.0
LEXINGTON	22	21	1	21	20	1	95.5	95.2	100.0
STAUNTON	36	23	13	31	20	11	86.1	87.0	84.6
WAYNESBORO	27	19	8	22	14	8	81.5	73.7	100.0
<u>DISTRICT 7</u>	281	267	14	219	208	11	77.9	77.9	78.6
CLARKE	18	17	1	12	12		66.7	70.6	0.0
FREDERICK	78	75	3	59	56	3	75.6	74.7	100.0
PAGE	39	36	3	28	26	2	71.8	72.2	66.7
SHEPHERD	36	35	1	33	32	1	91.7	91.4	100.0
WARREN	77	72	5	63	59	4	81.8	81.9	80.0
WINCHESTER	33	32	1	24	23	1	72.7	71.9	100.0
<u>DISTRICT 8</u>	9,500	7,088	2,412	7,546	5,701	1,845	79.4	80.4	76.5
ARLINGTON	1,076	783	293	843	626	217	78.3	79.3	74.1
FAIRFAX	4,537	3,591	946	3,636	2,939	697	80.1	81.8	73.7
LOUDOUN	482	419	63	386	336	50	80.1	80.2	79.4
PRINCE WILLIAM	1,374	1,058	316	1,045	800	245	76.1	75.6	77.5
ALEXANDRIA	1,594	874	720	1,283	708	575	80.5	81.0	79.9
FAIRFAX CITY	165	138	27	136	111	25	82.4	80.4	72.7
FALLS CHURCH	57	46	11	48	40	8	84.2	87.0	72.7
MANASSAS	199	163	36	156	128	28	78.4	78.5	77.8
MANASSAS PARK	16	16		13	13		81.3	81.3	
<u>DISTRICT 9</u>	476	381	95	387	307	80	81.3	80.6	84.2
CULPEPER	129	96	33	102	76	26	79.1	79.2	78.8
FAUQUIER	203	172	31	170	143	27	83.7	83.1	87.1
MADISON	33	25	8	23	16	7	69.7	64.0	87.5
ORANGE	92	71	21	79	61	18	85.9	85.9	85.7
RAPPAHANNOCK	19	17	2	13	11	2	68.4	64.7	100.0
<u>DISTRICT 10</u>	877	641	236	741	537	204	84.5	83.8	86.4
ALBEMARLE	213	163	50	181	140	41	85.9	85.9	86.0
FLUVANNA	44	27	17	33	19	14	75.0	70.4	82.4
GREEKE	35	31	4	30	26	4	85.7	83.9	100.0
LOUISA	87	57	30	70	43	27	80.5	75.4	90.0
WELSON	49	34	15	36	25	11	73.5	73.5	73.3
CHARLOTTESVILLE	449	329	120	389	284	105	86.6	86.3	87.5
<u>DISTRICT 11</u>	798	546	252	663	441	222	83.1	80.8	88.1
AMHERST	127	96	31	106	80	26	83.5	83.3	83.9
APPOMATTOX	47	32	15	42	27	15	89.4	84.4	100.0
BEDFORD	95	81	14	65	53	12	68.4	65.4	85.7
CAMPBELL	143	101	42	122	84	38	85.3	83.2	90.5
BEDFORD CITY	26	19	7	22	15	7	84.6	78.9	100.0
LYNCHBURG	360	217	143	306	182	124	85.0	83.9	86.7

(continued)

TABLE 29
INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	All Induced Abortions			Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	32,584	21,116	11,468	27,281	17,411	9,870	83.7	82.5	86.1
DISTRICT 12	912	567	345	707	414	293	77.5	73.0	84.9
FRANKLIN	144	105	39	116	77	39	80.6	73.3	100.0
HENRY	244	161	83	179	108	71	73.4	67.1	85.5
PATRICK	47	40	7	36	31	5	76.6	77.5	71.4
PITTSYLVANIA	295	153	142	225	108	117	76.3	70.6	82.4
DANVILLE	116	71	45	96	60	36	82.8	84.5	80.0
MARTINSVILLE	66	37	29	55	30	25	83.3	81.1	86.2
DISTRICT 13	379	159	220	315	123	192	83.1	77.4	87.3
BRUNSWICK	71	14	57	63	12	51	88.7	85.7	89.5
HALIFAX	164	84	80	133	64	69	81.1	76.2	86.3
MECKLENBURG	106	49	57	89	40	49	84.0	81.6	86.0
SOUTH BOSTON	38	12	26	30	7	23	78.9	58.3	98.5
DISTRICT 14	340	145	195	301	124	177	88.5	85.5	90.8
AMELIA	31	14	17	27	12	15	87.1	85.7	88.2
BUCKINGHAM	45	13	32	41	12	29	91.1	92.3	90.6
CHARLOTTE	36	19	17	27	14	13	75.0	73.7	76.5
CUMBERLAND	25	8	17	20	4	16	80.0	50.0	94.1
LUNEBURG	51	26	25	47	23	24	92.2	88.5	96.0
NOTTOWAY	61	22	39	56	20	36	91.8	90.9	92.3
PRINCE EDWARD	91	43	48	83	39	44	91.2	90.7	91.7
DISTRICT 15	5,324	2,793	2,531	5,032	2,617	2,415	94.5	93.7	95.4
CHARLES CITY COUNTY	36	10	26	34	10	24	94.4	100.0	92.3
CHESTERFIELD	1,146	857	289	1,066	803	263	93.0	93.7	91.0
GOOCHLAND	43	24	19	37	21	16	86.0	87.5	84.2
HAMOVER	286	211	75	270	199	71	94.4	94.3	94.7
HEWITSON	1,649	980	669	1,543	906	637	93.6	92.4	95.2
NEW KENT	38	23	15	36	21	15	94.7	91.3	100.0
POWHEATON	50	40	10	46	39	7	96.0	97.5	90.0
RICHMOND CITY	2,076	648	1,428	1,998	618	1,380	96.2	95.4	96.6
DISTRICT 16	845	627	218	711	515	196	84.1	82.1	89.9
CAROLINE	129	53	76	120	48	72	93.0	90.6	94.7
KING GEORGE	44	30	14	39	25	14	88.6	83.3	100.0
SPOTSYLVANIA	208	176	32	171	144	27	82.2	81.8	84.4
STAFFORD	252	221	31	193	168	25	76.6	76.0	80.6
FREDERICKSBURG	212	147	65	188	130	58	88.7	88.4	89.2
DISTRICT 17	166	84	82	156	77	79	94.0	91.7	96.3
LANCASTER	32	15	17	31	14	17	96.9	93.3	100.0
NORTHUMBERLAND	33	14	19	32	13	19	97.0	92.9	100.0
RICHMOND	32	25	7	28	22	6	87.5	88.0	85.7
WESTMORELAND	69	30	39	65	28	37	94.2	93.3	94.9
DISTRICT 18	280	179	101	232	140	92	82.9	78.2	91.1
ESSEX	42	16	26	38	14	24	90.5	87.5	92.3
GLOUCESTER	101	83	18	71	58	13	70.3	69.9	72.2
KING & QUEEN	31	16	15	29	14	15	93.5	87.5	100.0
KING WILLIAM	50	25	25	49	24	25	98.0	96.0	100.0
MATHEWS	36	25	11	27	18	9	75.0	72.0	81.8
MIDDLESEX	20	14	6	18	12	6	90.0	85.7	100.0
DISTRICT 19	975	364	611	891	328	563	91.4	90.1	92.1
DINWIDDIE	98	48	50	90	44	46	91.8	91.7	92.0
GREENSVILLE	70	17	53	67	14	53	95.7	82.4	100.0
PRINCE GEORGE	102	48	54	87	42	45	85.3	87.5	83.3
SURRY	20	7	13	17	6	11	85.0	85.7	84.6
SUSSEX	51	13	38	50	12	38	98.0	92.3	100.0
COLONIAL HEIGHTS	83	72	11	77	60	9	92.8	94.4	81.8
EMPORIA	13	5	8	11	4	7	84.6	80.0	87.5
HOPEWELL	153	91	62	139	85	54	90.8	93.4	87.1
PETERSBURG	385	63	322	353	53	300	91.7	84.1	93.2
DISTRICT 20	5,603	3,331	2,272	4,489	2,629	1,860	80.1	78.9	81.9
ISLE OF WIGHT	102	49	53	87	38	49	85.3	77.6	92.5
SOUTHAMPTON	40	13	27	36	11	25	90.0	84.6	92.6
CHESAPEAKE	687	422	265	532	318	214	77.4	75.4	80.8
FRANKLIN CITY	22	14	8	18	12	6	81.8	85.7	75.0
NORFOLK	1,700	820	880	1,360	629	731	80.0	76.7	83.1
PORTSMOUTH	524	220	304	430	169	261	82.1	76.8	85.9
SUFFOLK	216	95	121	183	73	110	84.7	76.8	90.9
VIRGINIA BEACH	2,312	1,698	614	1,843	1,379	464	79.7	81.2	75.6
DISTRICT 21	2,700	1,266	1,434	2,295	1,045	1,250	85.0	82.5	87.2
JAMES CITY COUNTY	157	93	64	137	77	60	87.3	82.8	93.8
YORK	104	77	27	90	66	24	86.5	85.7	88.9
HAMPTON	1,036	411	625	901	337	564	87.0	82.0	90.2
NEWPORT NEWS	1,214	535	679	1,007	438	569	82.9	81.9	83.8
POQUOSON	44	44	0	38	38	0	86.4	86.4	0
WILLIAMSBURG	145	106	39	122	89	33	84.1	84.0	84.6
DISTRICT 22	62	32	30	51	24	27	82.3	75.0	90.0
ACCOMACK	35	18	17	31	15	16	88.6	83.3	94.1
NORTHAMPTON	27	14	13	20	9	11	74.1	64.3	84.6
UNKNOWN	13	11	2	12	10	2			

TABLE 30
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up
STATE OF VIRGINIA	32,584	288	7,713	10,765	7,176	3,970	2,025	535	27
DISTRICT 1	127	2	43	35	20	15	12		
LEE	36		17	11	4	1	3		
SCOTT	25		1	7	6	7	4		
WISE	62	2	24	16	8	7	5		
WORTON	4		1	1	2				
DISTRICT 2	123	3	34	35	28	13	6	4	
BUCHANAN	30		4	10	9	5	1	1	
DICKENSON	10		5	1		2		2	
RUSSELL	35	1	12	9	6	3	3	1	
TAZEWELL	48	2	13	15	13	3	2		
DISTRICT 3	350	1	98	120	65	32	28	6	
BLAND	3		3	1		3	2		
CARROLL	46		15	9	10	3	8	1	
GRAYSON	30		11	6	7	2	2		
SMYTH	55		21	20	7	2	4	1	
WASHINGTON	102	1	22	38	22	12	6	2	
WYTHE	77		20	30	14	8	3	2	
BRISTOL	20		4	10	2		3	1	
GALAX	11		2	4	3	2			
DISTRICT 4	711	4	225	293	97	56	29	7	
FLOYD	14		3	1	3	3	2	2	
GILES	30		15	7	4	2	1		
MONTGOMERY	429	2	107	191	66	38	22	3	
PULASKI	74		39	18	9	4	3	1	
RADFORD	164	1	61	76	15	9	1	1	
DISTRICT 5	1,098	11	341	368	196	109	60	12	1
ALLEGANY	51	2	23	10	8	6	1	1	
BOTETOURT	59	2	19	16	12	7	2	1	
CRAIG	11		6	2	1	1		1	
ROANOKE	199		69	67	33	13	14	2	
CLIFTON FORGE	3			2	1				1
COVINGTON	4		3	1					
ROANOKE CITY	643	7	183	232	115	64	36	6	
SALEM	128		38	38	26	18	7	1	
DISTRICT 6	644	7	164	236	102	76	43	11	2
AUGUSTA	236	2	59	77	50	29	12	5	1
BATH	11		2	5	1	1	2		
HIGHLAND	3		2	1					
ROCKBRIDGE	60		17	19	9	9	4	2	
ROCKINGHAM	190	4	45	85	22	17	11	4	1
BUENA VISTA	8		4	1	1	2			
HARRISONBURG	51	1	17	19	7	3	4		
LEXINGTON	22		7	5	2	4	3		1
STAUNTON	36		6	14	8	5	3		
WAYNESBORO	27		5	10	2	6	4		
DISTRICT 7	281	2	68	94	54	27	31	3	1
CLARKE	18		3	4	5	2	2	1	
FREDERICK	78	1	18	25	18	6	9		1
PAGE	39		10	10	8	2	7	2	
SHEMANDOAH	36		9	11	6	7	3		
WARREN	77	1	22	32	11	6	5		
WINCHESTER	33		6	12	6	4	5		
DISTRICT 8	9,500	43	1,947	2,959	2,272	1,301	722	215	8
ARLINGTON	1,076	5	181	345	276	168	80	19	2
FAIRFAX	4,537	19	918	1,360	1,050	636	395	134	7
LOUDOUN	482	2	101	156	95	65	49	11	3
PRINCE WILLIAM	1,374	7	344	445	326	154	76	16	1
ALEXANDRIA	1,594	6	287	525	426	227	94	27	2
FAIRFAX CITY	165	1	50	49	30	21	10	3	1
FALLS CHURCH	57		13	10	18	7	6	2	1
MANASSAS	199	3	48	65	48	19	12	3	1
MANASSAS PARK	16		5	4	3	4			
DISTRICT 9	476	3	135	149	109	48	25	5	1
CULPEPER	129	1	43	40	32	6	4	2	1
FAUQUIER	203		51	66	43	28	13	2	
MADISON	33		12	8	6	5	1		
ORANGE	92	2	27	29	19	8	6	1	
RAPPAHANNOCK	19		2	6	9	1	1		
DISTRICT 10	877	13	193	207	182	112	41	24	1
ALBEMARLE	213	2	42	71	46	37	8	6	1
FLUVANNA	44	1	13	4	13	8	3	2	
GREENE	35		8	14	6	6	1		
LOUISA	87	3	24	17	22	11	4	5	1
WELSON	49	2	12	11	10	7	5	2	
CHARLOTTESVILLE	449	5	94	190	85	43	20	9	3
DISTRICT 11	798	11	232	271	151	80	38	11	2
AMHERST	127	1	47	43	20	6	8	1	2
APOMATTOX	47		18	12	8	4	4	1	
BEDFORD	95	2	21	36	15	18	1	2	
CAMPBELL	143		52	43	32	12	3		
BEDFORD CITY	26	2	7	7	3	3	2	1	1
LYNCHBURG	360	6	87	130	73	37	20	6	1

(continued)

TABLE 30
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up
STATE OF VIRGINIA	32,584	289	7,713	10,765	7,176	3,970	2,025	535	27
DISTRICT 12	912	13	241	281	185	116	54	13	1
FRANKLIN	144	1	45	44	24	13	14	2	1
HENRY	244	6	67	76	49	32	11	2	1
PATRICK	47		15	18	8	3	2	1	
PITTSYLVANIA	295	3	64	92	66	43	18	5	1
DANVILLE	116	3	33	34	26	12	5	1	2
MARTINSVILLE	66		17	17	12	13	4	2	1
DISTRICT 13	379	10	111	101	78	43	24	9	2
BRUNSWICK	71	4	18	13	14	12	7	3	
HALIFAX	164	5	50	47	30	19	10	1	2
HECKLENBURG	106	1	37	29	22	10	5	2	
SOUTH BOSTON	38		6	12	12	2	2	3	1
DISTRICT 14	340	2	89	102	75	45	16	10	1
AMELIA	31		9	7	5	7	2	1	
BUCKINGHAM	45		12	21	6	5	1		
CHARLOTTE	36		7	13	6	5	3	1	1
CUMBERLAND	25		9	6	2	6	2		
LUNEBURG	51		15	14	12	3	4	3	
MOTTOMAY	61	2	12	14	19	10	3	1	
PRINCE EDWARD	91		25	27	25	9	1	4	
DISTRICT 15	5,324	48	1,201	1,762	1,205	682	330	84	4
CHARLES CITY COUNTY	36		6	7	13	3	6	1	8
CHESTERFIELD	1,146	10	308	311	244	164	74	31	2
GOOCHLAND	43	1	10	13	9	6	2	2	2
HANOVER	286	2	81	82	71	31	16	3	
HENRICO	1,649	8	376	547	366	219	104	25	1
NEW KENT	38		15	9	7	4	3		3
POWHEATAN	50		16	11	11	7	4	1	
RICHMOND CITY	2,076	27	389	782	484	248	121	21	1
DISTRICT 16	845	9	223	277	198	75	53	9	1
CAROLINE	129	1	38	37	36	12	3	2	
KING GEORGE	44		14	12	9	7	1	1	
SPOTSYLVANIA	208	3	61	66	45	20	13		
STAFFORD	252	4	61	82	58	17	26	3	1
FREDERICKSBURG	212	1	49	80	50	19	10	3	
DISTRICT 17	166	2	40	51	33	25	11	4	
LANCASTER	32	1	10	13	4	4	1		
NORTHUNDERLAND	33		10	12	5	3	2	1	
RICHMOND	32		6	10	11	3	2		
WESTMORELAND	69	1	14	16	13	15	7	3	
DISTRICT 18	280	4	94	66	78	31	13	4	
ESSEX	42	1	10	11	14	4	1	1	
GLOUCESTER	101		26	18	32	18	7		
KING & QUEEN	31	1	9	10	6	2	1	2	
KING WILLIAM	50	2	25	11	10	2			
MATHEWS	36		8	9	13	3	2	1	
MIDDLESEX	20		6	7	3	2	2		
DISTRICT 19	975	19	251	293	220	130	53	9	
DINWIDDIE	98	3	23	34	22	10	6		
GREENSVILLE	70	2	27	28	14	4	3	2	
PRINCE GEORGE	102	2	23	30	24	14	8	1	
SURRY	20		4	4	8	4			
SUSSEX	51		14	13	7	13	3	1	
COLONIAL HEIGHTS	83	2	27	27	14	8	4	1	
EMPORIA	13		3	4	2	4			
HOPEWELL	153	2	41	43	32	27	6	2	
PETERSBURG	385	8	89	120	97	46	23	2	
DISTRICT 20	5,603	57	1,335	1,979	1,231	520	297	65	4
ISLE OF WIGHT	102	3	27	31	18	12	11		15
SOUTHAMPTON	40	1	12	10	10	6	1		
CHESAPEAKE	687	13	199	211	133	73	44	10	3
FRANKLIN CITY	22	1	5	3	5	6	2		
NORFOLK	1,700	10	366	674	385	165	75	20	1
PORTSMOUTH	524	4	135	191	121	49	17	6	4
SUFFOLK	216	4	57	70	44	26	13	2	
VIRGINIA BEACH	2,312	21	534	789	515	283	134	27	7
DISTRICT 21	2,700	22	634	958	590	325	136	29	2
JAMES CITY COUNTY	157	2	47	43	37	18	9	1	4
YORK	104	1	26	40	17	8	11	1	
HAMPTON	1,036	11	254	372	204	132	49	11	2
NEWPORT NEWS	1,214	7	260	431	297	149	54	13	2
POQUOSON	44		19	16	5	2	1	1	
WILLIAMSBURG	145	1	28	56	30	16	12	2	
DISTRICT 22	62	1	22	22	6	8	2	1	
ACCOMACK	35	1	13	12	3	5	1		
NORTHAMPTON	27		9	10	3	3	1	1	
UNKNOWN	13	1	2	6	1	1	1		1

NOTE: Some Abortions That Occurred In Other States For Residents Of Virginia Are Included.

TABLE 31
NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Natural Fetal Deaths			Gestation Under 20 Weeks			Gestation 20 Weeks and Over		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,785	5,749	2,036	7,040	5,300	1,740	745	449	296
<u>DISTRICT 1</u>	19	18	1	13	13		6	5	1
LEE	3	3		1	1		2	2	
SCOTT	1	1					1	1	
WISE	14	14		12	12		2	2	
WORTON	1		1				1		1
<u>DISTRICT 2</u>	107	107		95	95		12	12	
BUCHANAN	36	36		33	33		3	3	
DICKENSON	6	6		5	5		1	1	
RUSSELL	20	20		19	19		1	1	
TAZEWELL	45	45		38	38		7	7	
<u>DISTRICT 3</u>	156	148	8	142	134	8	14	14	
BLAND	5	5		4	4		1	1	
CARROLL	25	25		22	22		3	3	
GRAYSON	16	15	1	15	14	1	1	1	
SMYTH	22	21	1	20	19	1	2	2	
WASHINGTON	42	40	2	37	35	2	5	5	
WYTHE	31	28	3	30	27	3	1	1	
BRISTOL	4	4		3	3		1	1	
GALAX	11	10	1	11	10	1			
<u>DISTRICT 4</u>	193	181	12	181	169	12	12	12	
FLOYD	14	13	1	14	13	1	1	1	
GILES	20	20		19	19			1	
MONTGOMERY	91	86	5	85	80	5	6	6	
PULASKI	47	44	3	43	40	3	4	4	
RADFORD	21	18	3	20	17	3	1	1	
<u>DISTRICT 5</u>	427	339	88	386	307	79	41	32	9
ALLEGHANY	15	14	1	12	11	1	3	3	
BOTETOURT	38	37	1	34	33	1	4	4	
CRAIG	4	4		4	4				
ROANOKE	96	85	11	93	83	10	3	2	1
CLIFTON FORGE	4	4		3	3		1	1	
COVINGTON	7	4	3	3	1	2	4	3	1
ROANOKE CITY	236	164	72	211	146	65	25	18	7
SALEM	27	27		26	26		1	1	
<u>DISTRICT 6</u>	205	185	20	179	164	15	26	21	5
AUGUSTA	27	24	3	24	21	3	3	3	
BATH	7	6	1	7	6	1			
HIGHLAND	1	1		1	1				
ROCKBRIDGE	12	12		12	12				
ROCKINGHAM	71	71		63	63		8	8	
BUENA VISTA	11	10	1	9	8	1	2	2	
HARRISONBURG	19	17	2	19	17	2			
LEXINGTON	13	12	1	11	10	1	2	2	
STAUNTON	40	29	11	31	24	7	9	5	4
WAYNESBORO	4	3	1	2	2		2	1	1
<u>DISTRICT 7</u>	227	216	11	203	194	9	24	22	2
CLARKE	12	11	1	12	11	1			
FREDERICK	70	68	2	64	63	1	6	5	1
PAGE	23	22	1	23	22	1			
SHEMANDOAH	48	48		43	43		5	5	
WARREN	35	34	1	28	27	1	7	7	
WINCHESTER	39	33	6	33	28	5	6	5	1
<u>DISTRICT 8</u>	1,849	1,528	321	1,711	1,421	290	138	107	31
ARLINGTON	125	98	27	107	84	23	18	14	4
FAIRFAX	955	810	145	885	758	127	70	52	18
LOUDOUN	113	104	9	103	95	8	10	9	1
PRINCE WILLIAM	362	309	53	336	286	50	26	23	3
ALEXANDRIA	206	126	80	197	122	75	9	4	5
FAIRFAX CITY	17	15	2	16	14	2	1	1	
FALLS CHURCH	10	10		9	9		1	1	
MANASSAS	50	47	3	47	44	3	3	3	
MANASSAS PARK	11	9	2	11	9	2			
<u>DISTRICT 9</u>	146	108	38	129	100	29	17	8	9
CULPEPER	50	32	18	45	30	15	5	2	3
FAUQUIER	54	41	13	45	37	8	9	4	5
MADISON	8	7	1	7	6	1	1	1	
ORANGE	26	20	6	24	19	5	2	1	1
RAPPAHANNOCK	8	8		8	8				
<u>DISTRICT 10</u>	228	187	41	202	166	36	26	21	5
ALBEMARLE	97	85	12	84	74	10	13	11	2
FLUVANNA	9	8	1	9	8	1			
GREENE	19	18	1	17	16	1	2	2	
LOUISA	33	27	6	30	26	4	3	1	2
NELSON	13	10	3	12	9	3	1	1	
CHARLOTTESVILLE	57	39	18	50	33	17	7	6	1
<u>DISTRICT 11</u>	283	204	79	260	189	71	23	15	8
AMHERST	37	27	10	34	24	10	3	3	
APPOMATTOX	14	10	4	12	9	3	2	1	1
BEDFORD	40	31	9	38	29	9	2	2	
CAMPBELL	55	42	13	47	36	11	8	6	2
BEDFORD CITY	13	10	3	12	10	2	1		1
LYNCHBURG	124	84	40	117	81	36	7	3	4

(continued)

TABLE 31
NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Natural Fetal Deaths			Gestation Under 20 Weeks			Gestation 20 Weeks and Over		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,785	5,749	2,036	7,040	5,300	1,740	745	449	296
DISTRICT 12	326	210	116	295	194	101	31	16	15
FRANKLIN	50	43	7	45	40	5	5	3	2
HENRY	63	48	15	56	43	13	7	5	2
PATRICK	10	6	4	9	5	4	1	1	
PITTSYLVANIA	55	36	19	52	35	17	3	1	2
DANVILLE	127	66	61	116	63	53	11	3	8
MARTINSVILLE	21	11	10	17	8	9	4	3	1
DISTRICT 13	101	47	54	92	45	47	9	2	7
BRUNSWICK	15	4	11	13	4	9	2	2	2
HALIFAX	39	21	18	37	20	17	2	1	1
MECKLENBURG	28	15	13	25	14	11	3	1	2
SOUTH BOSTON	19	7	12	17	7	10	2		2
DISTRICT 14	94	43	51	82	40	42	12	3	9
AMELIA	11	5	6	7	5	2	4		4
BUCKINGHAM	7	2	5	7	2	5			
CHARLOTTE	11	3	8	7	2	5	4	1	3
CUMBERLAND	9	3	6	8	3	5	1		1
LUNEBURG	16	11	5	16	11	5			
NOTTOWAY	19	9	9	18	9	9			
PRINCE EDWARD	22	10	12	19	8	11	3	2	1
DISTRICT 15	1,047	812	235	962	772	190	95	40	45
CHARLES CITY COUNTY	4	1	3	4	1	3			
CHESTERFIELD	354	305	49	333	289	44	21	16	5
GOOCHLAND	17	14	3	17	14	3			
HANOVER	93	90	3	88	85	3	5	5	
HENRICO	317	262	55	295	248	47	22	14	8
NEW KENT	15	12	3	14	12	2	1		1
POWhatan	13	10	3	13	10	3			
RICHMOND CITY	234	118	116	198	113	85	36	5	31
DISTRICT 16	187	158	29	168	144	24	19	14	5
CAROLINE	26	18	8	23	16	7	3	2	1
KING GEORGE	10	8	2	8	7	1	2	1	1
SPOTSYLVANIA	42	37	5	36	31	5	6	6	
STAFFORD	56	49	7	52	47	5	4	2	2
FREDERICKSBURG	53	46	7	49	43	6	4	3	1
DISTRICT 17	28	19	9	19	15	4	9	4	5
LANCASTER	6	6		3	3		3	3	
NORTHUMBERLAND	1	1		1	1				
RICHMOND	7	6	1	5	5		2	1	1
WESTMORELAND	14	6	8	10	6	4	4		4
DISTRICT 18	67	48	19	55	42	13	12	6	6
ESSEX	4	3	1	1	1		3	2	1
GLOUCESTER	37	26	11	32	24	8	5	2	3
KING & QUEEN	5	2	3	5	2	3			
KING WILLIAM	7	5	2	5	5		2		2
MATHEWS	5	3	2	4	2	2	1	1	
MIDDLESEX	9	9		8	8		1	1	
DISTRICT 19	240	112	128	212	108	104	28	4	24
DINWIDDIE	26	16	10	24	14	10	2	2	
GREENSVILLE	6		6	4		4	2		2
PRINCE GEORGE	31	21	10	28	20	8	3	1	2
SURRY	7	4	3	7	4	3			
SUSSEX	19	6	13	15	6	9	4		4
COLONIAL HEIGHTS	22	21	1	22	21	1			
EMPORIA	7	3	4	6	3	3	1		1
HOPEWELL	30	21	9	28	20	8	2	1	1
PETERSBURG	92	20	72	78	20	58	14		14
DISTRICT 20	1,144	684	460	1,006	620	386	138	64	74
ISLE OF WIGHT	43	28	15	38	27	11	5	1	4
SOUTHAMPTON	2	2		2	2				
CHESAPEAKE	173	115	58	159	105	54	14	10	4
FRANKLIN CITY	2	1	1	2	1	1			
WORFOLK	297	156	141	257	138	119	40	18	22
PORTSMOUTH	224	100	124	196	94	102	28	6	22
SUFFOLK	97	41	56	89	41	48	8		8
VIRGINIA BEACH	306	241	65	263	212	51	43	29	14
DISTRICT 21	626	351	275	570	327	243	56	24	32
JAMES CITY COUNTY	30	21	9	30	21	9			
YORK	23	19	4	22	18	4	1	1	
HAMPTON	218	100	118	198	93	105	20	7	13
NEWPORT NEWS	297	169	128	266	156	110	31	13	18
POQUOSON	16	16		15	15		1	1	
WILLIAMSBURG	42	26	16	39	24	15	3	2	1
DISTRICT 22	73	33	40	66	30	36	7	3	4
ACCOMACK	43	22	21	43	19	24	6	3	3
NORTHAMPTON	24	11	13	23	11	12	1		1
UNKNOWN	12	11	1	12	11	1			

TABLE 32
RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Total	Age of Mother								
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up	Unk
STATE OF VIRGINIA	7,785	20	768	1,625	2,223	1,882	953	217	18	79
<u>DISTRICT 1</u>	<u>19</u>		<u>6</u>	<u>4</u>	<u>2</u>	<u>4</u>	<u>1</u>	<u>1</u>		<u>1</u>
LEE	3		1	1						1
SCOTT	1		1							
WISE	14		4	2	2	4	1	1		
NORTON	1			1						
<u>DISTRICT 2</u>	<u>107</u>		<u>23</u>	<u>31</u>	<u>23</u>	<u>18</u>	<u>4</u>	<u>4</u>	<u>2</u>	<u>2</u>
BUCHANAN	36		5	13	11	5	1			2
DICKENSON	6		1	2	2				1	
RUSSELL	20		3	7	1	4	2	1	1	1
TAZEWELL	45		14	11	9	7	1	3		
<u>DISTRICT 3</u>	<u>156</u>		<u>22</u>	<u>39</u>	<u>42</u>	<u>25</u>	<u>17</u>	<u>4</u>		<u>7</u>
BLAND	5		2		2					1
CARROLL	25		4	5	10	5				1
GRAYSON	16		3	2	3		2			1
SMYTH	22		3	5	6	2	3	1		2
WASHINGTON	42		7	11	12	5	4	2		1
WYTHE	31		2	13	5	6	5			
BRISTOL	4			2	1	1				1
GALAX	11		1	2	3	2	3			
<u>DISTRICT 4</u>	<u>193</u>	<u>1</u>	<u>27</u>	<u>59</u>	<u>45</u>	<u>41</u>	<u>14</u>	<u>5</u>		<u>1</u>
FLOYD	14		1	6	3	3				
OILES	20		2	10	3	3	1			1
MONTGOMERY	91		7	23	28	20	3	3		
PULASKI	47	1	10	14	8	10	2	2		
RADFORD	21		7	6	3	5				
<u>DISTRICT 5</u>	<u>427</u>	<u>1</u>	<u>50</u>	<u>88</u>	<u>133</u>	<u>101</u>	<u>40</u>	<u>10</u>	<u>1</u>	<u>2</u>
ALLEGHANY	15			2	6					
BOTETOURT	38		1	4	12	15	2	3		1
CRAIG	4			1	2	1				
ROANOKE	96		10	19	24	26	14	2		1
CLIFTON FORGE	4			1		2	1			
COVINGTON	7				4	1	1			
ROANOKE CITY	236	1	34	53	77	43	21	5	1	1
SALEM	27		5	7	8	6	1			
<u>DISTRICT 6</u>	<u>205</u>	<u>1</u>	<u>22</u>	<u>53</u>	<u>59</u>	<u>47</u>	<u>16</u>	<u>6</u>		<u>1</u>
AUGUSTA	27	1	4	6	8	7				
BATH	7		2	2	1		2			
HIGHLAND	1						1			
ROCKBRIDGE	12		1	4	3	4				
ROCKINGHAM	71		8	17	21	16	5	4		
BUENA VISTA	11		1	3	5	1	1			
HARRISONBURG	19		2	5	9	1	2			
LEXINGTON	13		1	4	3	3	1	1		
STAUNTON	40		2	12	7	15	3	1		
WAYNESBORO	4		1		2					1
<u>DISTRICT 7</u>	<u>227</u>	<u>1</u>	<u>33</u>	<u>61</u>	<u>65</u>	<u>39</u>	<u>22</u>	<u>2</u>	<u>1</u>	<u>3</u>
CLARKE	12		1	4	2	3	1			1
FREDERICK	70	1	9	19	16	12	11	2		
PAGE	23		5	6	7	4	1			
SHENANDOAH	48		7	12	16	9	4			
WARREN	35		6	10	10	5	3		1	
WINCHESTER	39		5	10	14	6	2			2
<u>DISTRICT 8</u>	<u>1,849</u>	<u>1</u>	<u>107</u>	<u>273</u>	<u>515</u>	<u>544</u>	<u>307</u>	<u>79</u>	<u>5</u>	<u>18</u>
ARLINGTON	125	1	7	14	35	53	13	3		
FAIRFAX	955		38	123	246	290	188	52	3	15
LOUDOUN	113		7	13	43	27	16		1	1
PRINCE WILLIAM	362	1	34	66	107	95	50	6		1
ALEXANDRIA	206		12	40	56	58	29	9	1	1
FAIRFAX CITY	17			3	4	7	3			
FALLS CHURCH	10		1		2	2	5			
MANASSAS	50		8	9	19	9	3	2		
MANASSAS PARK	11			5	3	3				
<u>DISTRICT 9</u>	<u>146</u>	<u>1</u>	<u>17</u>	<u>35</u>	<u>35</u>	<u>37</u>	<u>18</u>	<u>2</u>		<u>1</u>
CULPEPER	50	1	7	12	10	13	7			
FAUQUIER	54		3	13	18	16	3	1		
MADISON	8		2	2	1	1	2			
ORANGE	26		3	8	4	5	4	1		1
RAFFANASHOKE	8		2		2	2	2			
<u>DISTRICT 10</u>	<u>228</u>		<u>24</u>	<u>41</u>	<u>60</u>	<u>51</u>	<u>40</u>	<u>8</u>		<u>4</u>
ALBEMARLE	97		10	10	31	26	15	5		
FLUVANNA	9			2	1	2	3	1		
GREENE	19		2	7	4	5		1		
LOUISA	33		2	9	9	4	6			3
NELSON	13		2	3	5	2		1		
CHARLOTTESVILLE	57		8	10	10	12	16			1
<u>DISTRICT 11</u>	<u>283</u>	<u>2</u>	<u>38</u>	<u>65</u>	<u>87</u>	<u>60</u>	<u>23</u>	<u>6</u>	<u>1</u>	<u>1</u>
AMHERST	37		10	8	10	7	1	1		
APPOMATTOX	14		3	3	5	2	1			
BEDFORD	40		6	9	17	5	3			
CAMPBELL	55		9	17	14	10	5			
BEDFORD CITY	13		1	1	6	2	1		1	1
LYNCHBURG	124	2	9	27	35	34	12	5		

[continued]

TABLE 32
RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	Total	Age of Mother							
		< 15	15-19	20-24	25-29	30-34	35-39	40-44	45 Up
STATE OF VIRGINIA	7,785	20	768	1,625	2,223	1,882	953	217	18
DISTRICT 12	326	1	40	85	95	60	30	9	1
FRANKLIN	50		4	12	9	17	5	1	1
HENRY	63		13	15	18	8	5	2	
PATRICK	10	1	1	5	2	1			2
PITTSYLVANIA	55		6	12	21	5	8	3	
DANVILLE	127		15	29	40	29	10	3	
MARTINSVILLE	21		1	12	5		2		1
DISTRICT 13	101	1	18	24	29	21	5	2	1
BRUNSWICK	15		1	4	4	5	1		
HALIFAX	39	1	7	9	11	7		2	
MECKLENBURG	28		7	6	7	7	1		1
SOUTH BOSTON	19		3	5	7	2	2		
DISTRICT 14	94		14	14	31	20	15		
AMELIA	11			2	6	2	1		
BUCKINGHAM	7			2	4		1		
CHARLOTTE	11		2	2	4	1	2		
CUMBERLAND	9			2	4	1	2		
LUNEBURG	16		4	3	4	2	1		
NOTTOWAY	18		3	1	3	5	1		
PRINCE EDWARD	22		5	2	5	6	3		
DISTRICT 15	1,047	2	52	163	307	324	155	30	1
CHARLES CITY COUNTY	4				3	1			13
CHESTERFIELD	354		18	62	97	103	66	6	2
GOOCHLAND	17		1		6	8		1	1
HANOVER	93		5	9	31	26	16	3	3
HENRICO	317		6	39	103	115	37	12	4
NEW KENT	15		2	2	5	4	2		
POWHATAN	13		1	5	1	3	2	1	
RICHMOND CITY	234	2	19	46	61	64	32	7	3
DISTRICT 16	187		18	49	54	40	16	7	1
CAROLINE	26		1	7	7	6	2	1	2
KING GEORGE	10		1	4	2	1	2		
SPOTSYLVANIA	42		5	13	8	10	2	3	1
STAFFORD	56		6	14	14	14	6	1	1
FREDERICKSBURG	53		3	11	23	9	4	3	
DISTRICT 17	28	1	4	4	5	8	3	1	1
LANCASTER	6		1	1	2	2			
NORTHUMBERLAND	1								
RICHMOND	7		1		2	2	1		1
WESTMORELAND	14	1	2	3	1	4	2	1	
DISTRICT 18	67		5	19	22	13	5	1	1
ESSEX	4		1	1		1	1		
GLOUCESTER	37		3	10	14	7	2	1	
KING & QUEEN	5			1	2	2			
KING WILLIAM	7			2	2	1	1		1
MATHEWS	5		1	4					
MIDDLESEX	9		1	1	4	2	1		
DISTRICT 19	240	1	33	68	60	44	25	3	1
DINWIDDIE	26		2	5	9	8	3		5
GREENSVILLE	6		1	2	3				1
PRINCE GEORGE	31		3	12	6	8	1	1	
SURRY	7		1	1	1	4			
SUSSEX	19		5	5	2	2	2	1	1
COLONIAL HEIGHTS	22	1	5	8	4	8		1	
EMPORIA	7			1	2	2	2		1
HOPEWELL	30		5	5	12	2	6		
PETERSBURG	92		16	29	21	12	11		3
DISTRICT 20	1,144	3	125	282	357	223	128	19	1
ISLE OF WIGHT	43		4	5	18	9	5	2	6
SOUTHAMPTON	2			1			1		
CHESAPEAKE	173		13	40	58	41	17	3	1
FRANKLIN CITY	2			1			1		
NORFOLK	297		35	75	99	55	31	2	
PORTSMOUTH	224	3	25	66	62	37	27	2	1
SUFFOLK	97		10	32	26	20	7	2	
VIRGINIA BEACH	306		38	62	94	61	39	8	4
DISTRICT 21	626	3	76	150	170	146	60	18	2
JAMES CITY COUNTY	30		6	3	5	9	4		1
YORK	23		2	4	10	4	3		
HAMPTON	218		23	61	56	63	11	3	1
NEWPORT NEWS	297	3	39	72	82	54	37	9	1
POQUOSON	16		2	1	5	4	3	1	
WILLIAMSBURG	42		4	9	12	12	2	2	1
DISTRICT 22	73		11	17	22	14	9		
ACCOMACK	49		6	13	17	7	6		
NORTHAMPTON	24		5	4	5	7	3		
UNKNOWN	12		2	1	5	2			2

TABLE 33
RESIDENT NATURAL FETAL DEATHS
LENGTH OF GESTATION BY RACE BY CAUSE OF DEATH
VIRGINIA, 1989

Causes of Natural Fetal Deaths	TOTAL			LENGTH OF GESTATION								
	Total	White	Nonwh	Less Than 20 Weeks			20-27 Weeks			28 Weeks and Over		
				Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh
ALL CAUSES	7,785	5,749	2,036	7,040	5,300	1,740	390	219	171	355	230	125
Diseases of Genitourinary System	15	7	8	14	7	7	1		1			
Hydatidiform mole	27	25	2	24	22	2	3	3				
Blighted ovum	389	336	53	385	334	51	2	1	1	2	1	1
Complications mainly related to pregnancy	24	14	10	10	3	7	8	6	2	6	5	1
Other indications for care in pregnancy, labor and delivery	32	24	8	22	17	5	6	3	3	4	4	
Congenital anomalies	24	19	5	10	6	4	9	9		5	4	1
Maternal conditions which may be unrelated to present pregnancy	15	10	5	8	5	3	1	1		6	4	2
Incompetent cervix	18	8	10	9	4	5	9	4	5			
Premature rupture of membranes	54	32	22	27	13	14	26	18	8	1	1	
Ectopic pregnancy	885	594	291	880	592	288	3	1	2	2	1	1
Spontaneous abortion	3,895	3,014	881	3,836	2,987	849	49	23	26	10	4	6
Other placental separation and hemorrhage	146	98	48	101	70	31	17	9	8	28	19	9
Other abnormalities of placenta	12	9	3	5	4	1	2	2		5	3	2
Other and unspecified conditions of umbilical cord	107	85	22	22	17	5	15	13	2	70	55	15
Chorioamnionitis	34	18	16	23	11	12	9	5	4	2	2	
Immaturity	97	56	41	37	24	13	56	30	26	4	2	2
Intrauterine hypoxia and asphyxia	27	19	8	15	12	3	1	1		11	6	5
Fetal hemorrhage	11	7	4	10	7	3	1		1			
Hemolytic disease	3	3	0	0			1	1		2	2	
Other, ill defined and unknown causes	1,970	1,371	599	1,602	1,165	437	171	89	82	197	117	80

TABLE 34
NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS BY RACE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

Planning District / City or County	NUMBER			RATE			Planning District / City or County	NUMBER			RATE		
	Total	White	Nonwhite	Total	White	Nonwhite		Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	681	366	315	7.1	5.2	12.1	DISTRICT 11	16	9	7	5.6	4.2	10.0
DISTRICT 1	5	4	1	4.1	3.3	50.0	AMHERST	1	1	1	2.8	3.6	0.0
LEE	2	2		6.0	6.0		APPOMATTOX				0.0	0.0	0.0
SCOTT	1	1		3.9	3.9	0.0	BEDFORD	2	2		3.4	3.7	0.0
WISE	2	1	1	3.5	1.8	111.1	CAMPBELL	6	4	2	9.2	7.2	19.8
BORTON				0.0	0.0	0.0	BEDFORD CITY				0.0	0.0	0.0
							LYNCHBURG	7	2	5	7.1	3.3	13.0
DISTRICT 2	13	13		9.2	9.4	0.0	DISTRICT 12	20	12	8	6.3	5.9	7.1
BUCHANAN	4	4		11.5	11.5	0.0	FRANKLIN	6	4	2	12.5	9.8	27.8
DICKENSON	3	3		14.3	14.3		HENRY	2	2		2.6	3.6	0.0
RUSSELL	3	3		9.4	9.4	0.0	PATRICK	2	2		12.0	12.7	0.0
TAZEWELL	3	3		5.6	5.9	0.0	PITTSYLVANIA	5	3	2	7.9	7.5	8.6
							DANVILLE	3	1	2	3.5	2.5	4.3
DISTRICT 3	14	14		6.5	6.7	0.0	MARTINSVILLE	2	2		7.9	0.0	14.8
BLAND	1	1		15.2	15.2								
CARROLL	1	1		3.3	3.3	0.0	DISTRICT 13	5	1	4	4.7	2.0	7.0
GRAYSON	2	2		9.8	10.1	0.0	BRUNSWICK	1	1	1	4.9	0.0	7.0
SMYTH	3	3		7.6	7.7	0.0	HALIFAX	2	1	1	5.8	5.5	6.2
WASHINGTON	6	6		11.1	11.3	0.0	NECKLENSBURG	2		2	4.8	0.0	9.5
WYTHE	1	1		3.1	3.2	0.0	SOUTH BOSTON				0.0	0.0	0.0
BRISTOL				0.0	0.0	0.0							
GALAX				0.0	0.0	0.0							
DISTRICT 4	11	11		6.6	7.1	0.0	DISTRICT 14	7	2	5	5.8	3.3	8.5
FLOYD	2	2		16.9	17.1	0.0	AMELIA	3	1	2	22.1	11.6	40.0
GILES	2	2		10.0	10.1	0.0	BUCKINGHAM				0.0	0.0	0.0
MONTGOMERY	2	2		2.5	2.7	0.0	CHARLOTTE	2	1	1	11.2	11.2	11.2
PULASKI	4	4		10.1	11.2	0.0	CUMBERLAND	1		1	7.5	0.0	16.4
RADFORD	1	1		6.4	6.9	0.0	LUNEBURG	1		1	6.8	0.0	14.9
							NOTTOWAY				0.0	0.0	0.0
DISTRICT 5	30	17	13	9.2	6.3	22.5	PRINCE EDWARD				0.0	0.0	0.0
ALLEGHANY				0.0	0.0	0.0	DISTRICT 15	38	37	61	8.5	5.1	14.6
BOYETOURT	2	2		6.8	7.0	0.0	CHARLES CITY COUNTY				0.0	0.0	0.0
CRAIG	1	1		22.2	22.2		CHESTERFIELD	16	13	3	5.1	4.9	6.0
ROANOKE	2	2		2.8	3.0	0.0	GOOCHLAND	2	1	1	9.3	6.8	14.9
CLIFTON FORGE	2	2		37.7	45.5	0.0	HANOVER	8	5	3	9.3	6.7	26.3
COVINGTON	3	1	2	33.3	13.9	111.1	HENRICO	19	10	9	5.8	4.2	10.5
ROANOKE CITY	20	9	11	12.4	8.0	22.7	NEW KENT	1		1	6.8	0.0	32.3
SALEM				0.0	0.0	0.0	POMHATAN	2	2		10.2	11.0	0.0
DISTRICT 6	12	11	1	4.2	4.3	5.7	RICHMOND CITY	50	6	44	14.0	5.8	17.3
AUGUSTA	2	2		2.9	3.0	0.0	DISTRICT 16	15	9	6	5.3	3.9	11.9
BATH	1	1		15.6	15.9	0.0	CAROLINE	4	2	2	12.6	10.8	15.0
HIGHLAND				0.0	0.0		KING GEORGE	2		2	9.3	0.0	37.0
ROCKBRIDGE	1	1		5.0	5.2	0.0	SPOTSYLVANIA	4	4		4.4	5.0	0.0
ROCKINGHAM	4	4		5.1	5.2	0.0	STAFFORD	3	3		3.2	3.6	0.0
BURMA VISTA				0.0	0.0	0.0	FREDERICKSBURG	2		2	4.6	0.0	15.9
HARRISONBURG	2	2		5.8	6.3	0.0	DISTRICT 17	11	4	7	20.3	14.4	26.5
LEXINGTON				0.0	0.0	0.0	LANCASTER	2	2	2	17.1	0.0	31.3
STAUNTON	2	1	1	6.7	4.0	20.0	NORTHUMBERLAND	4	2	2	35.4	36.4	14.5
WAYNESBORO				0.0	0.0	0.0	RICHMOND	1		1	11.8	0.0	29.4
DISTRICT 7	10	3	1	4.5	4.3	8.8	WESTMORELAND	4	2	2	17.6	16.8	18.5
CLARKE	1	1		6.5	6.9	0.0	DISTRICT 18	8	4	4	8.4	5.6	16.4
FREDERICK				0.0	0.0	0.0	ESSEX				0.0	0.0	0.0
PAGE	1	1		3.8	3.9	0.0	GLOUCESTER	1	1		2.3	2.6	0.0
SHEPARDSON	3	3		8.0	8.1	0.0	KING & QUEEN	2		2	20.6	0.0	44.4
WARREN	2	2		5.0	5.3	0.0	KING WILLIAM	3	2	1	18.5	18.3	18.9
WINCHESTER	3	2	1	8.1	6.3	18.5	MATHEWS	1		1	14.9	0.0	83.3
DISTRICT 8	130	90	40	5.4	4.6	8.7	MIDDLESEX	1	1		10.0	15.6	0.0
ARLINGTON	19	13	6	7.4	6.6	9.8	DISTRICT 19	16	4	12	6.2	3.3	8.8
FAIRFAX	63	48	15	5.0	4.7	6.4	DIMWIDIE	2		2	7.1	0.0	17.1
LOUDOUN	3	3		1.9	2.2	0.0	GREENSVILLE	1		1	7.2	0.0	11.4
PRINCE WILLIAM	20	14	6	4.7	3.9	9.2	PRINCE GEORGE	1	1		2.5	3.5	0.0
ALEXANDRIA	15	5	10	8.3	4.4	15.0	SURRY				0.0	0.0	0.0
FAIRFAX CITY	2	2		6.9	8.2	0.0	SUSSEX	2		2	12.0	0.0	17.9
FALLS CHURCH				0.0	0.0	0.0	COLONIAL HEIGHTS				0.0	0.0	0.0
MANASSAS	7	5	2	11.9	10.0	23.3	EMPORIA	1		1	8.9	0.0	11.8
MANASSAS PARK	1			6.9	0.0	62.5	HOPWELL	3	1	2	7.6	4.0	14.0
							PETERSBURG	6	2	4	7.9	13.8	6.5
DISTRICT 9	7	5	2	3.9	3.3	7.1	DISTRICT 20	178	79	99	9.2	6.4	14.4
CULPEPER	3	3		6.5	8.3	0.0	ISLE OF WIGHT	7	2	5	16.9	7.9	31.1
PAUQUET	1		1	1.3	0.0	10.9	SOUTHAMPTON	2		2	10.5	0.0	18.2
MADISON	1	1		6.3	7.7	0.0	CHESAPEAKE	20	9	11	7.7	5.1	13.2
ORANGE	2	1	1	6.8	4.2	17.5	FRANKLIN CITY				0.0	0.0	0.0
RAFFANABROCK				0.0	0.0	0.0	NORFOLK	61	21	40	11.2	7.4	15.4
							PORTSMOUTH	19	5	14	9.5	5.4	13.0
DISTRICT 10	12	5	7	5.0	2.7	13.0	SUFFOLK	12	2	10	13.9	5.0	21.6
ALBEMARLE	2	2		2.1	2.4	0.0	VIRGINIA BEACH	57	40	17	7.6	6.6	11.4
FLUYANNA	1		1	5.0	0.0	15.4	DISTRICT 21	57	25	32	8.1	5.9	11.6
GREENE				0.0	0.0	0.0	JAMES CITY COUNTY	1		1	2.4	0.0	12.0
LOUISA	3	1	2	10.3	5.1	21.3	YORK	4	3	1	9.9	9.2	12.7
NELSON				0.0	0.0	0.0	HAMPTON	19	9	10	8.2	7.0	9.7
CHARLOTTESVILLE	6	2	4	9.7	4.9	19.4	NEWPORT NEWS	30	11	19	8.5	5.4	12.8
							POQUOSON				0.0	0.0	0.0
							WILLIAMSBURG	3	2	1	14.8	15.3	13.9
							DISTRICT 22	6	1	5	8.8	3.5	12.7
							ACCOMACK	4		4	8.5	0.0	15.6
							NORTHAMPTON	2	1	1	9.4	13.2	7.4

TABLE 35
 INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
 PER 1,000 LIVE BIRTHS, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
 VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	900	464	436	963	516	447	10.0	7.3	17.2
<u>DISTRICT 1</u>	5	5		9	8	1	7.4	6.7	50.0
LEE	1	1		3	3		9.0	9.0	
SCOTT				2	2		7.8	7.9	0.0
WISE	2	2		4	3	1	7.0	5.4	111.1
NORTON	2	2					0.0	0.0	0.0
<u>DISTRICT 2</u>	6	6		17	17		12.0	12.2	0.0
BUCHANAN				4	4		11.5	11.5	0.0
DICKERSON	2	2		5	5		23.8	23.8	
RUSSELL	1	1		4	4		12.5	12.6	0.0
TAZEWELL	3	3		4	4		7.5	7.8	0.0
<u>DISTRICT 3</u>	12	12		22	22		10.2	10.5	0.0
BLAND				1	1		15.2	15.2	
CARROLL				1	1		3.3	3.3	0.0
GRAYSON				2	2		9.8	10.1	0.0
SMYTH	2	2		3	3		7.6	7.7	0.0
WASHINGTON	6	6		10	10		18.6	18.9	0.0
WYTHE	3	3		4	4		12.3	12.9	0.0
BRISTOL				1	1		4.4	4.7	0.0
GALAX	1	1					0.0	0.0	0.0
<u>DISTRICT 4</u>	5	4	1	15	14	1	8.9	9.0	8.4
FLOYD				2	2		16.9	17.1	0.0
OILES				2	2		10.0	10.1	0.0
MONTGOMERY	1	1		4	4		4.9	5.4	0.0
PULASKI	3	3		5	5		12.7	14.0	0.0
RADFORD	1		1	2	1	1	12.7	6.9	76.9
<u>DISTRICT 5</u>	52	33	19	40	23	17	12.3	8.6	29.4
ALLEGANY	6	4	2	1	1		6.9	7.1	0.0
BOTETOURT				3	3		10.2	10.5	0.0
CRAIG				1	1		22.2	22.2	
ROANOKE				3	3		4.2	4.5	0.0
CLIFTON FORGE				2	2		37.7	45.5	0.0
COVINGTON				4	2	2	44.4	27.8	111.1
ROANOKE CITY	43	27	16	26	11	15	16.2	9.8	30.9
SALEM	3	2	1				0.0	0.0	0.0
<u>DISTRICT 6</u>	9	9		20	19	1	7.0	7.1	5.7
AUGUSTA	1	1		4	4		5.9	6.0	0.0
BATH				1	1		15.6	15.9	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE				1	1		5.0	5.2	0.0
ROCKINGHAM				6	6		7.7	7.9	0.0
BUENA VISTA	1	1		1	1		10.4	11.1	0.0
HARRISONBURG	4	4		4	4		11.6	12.6	0.0
LEXINGTON	1	1					0.0	0.0	0.0
STAUNTON				2	1	1	6.7	4.0	20.0
WAYNESBORO	2	2		1	1		3.3	4.0	0.0
<u>DISTRICT 7</u>	6	6		14	13	1	6.3	6.2	8.8
CLARKE				1	1		6.5	6.9	0.0
FREDERICK							0.0	0.0	0.0
PAGE	1	1		3	3		11.4	11.8	0.0
SHEWANDOAH	1	1		3	3		8.0	8.1	0.0
WARREN	1	1		3	3		7.5	8.0	0.0
WINCHESTER	3	3		4	3	1	10.8	9.5	18.5
<u>DISTRICT 8</u>	136	92	44	180	128	52	7.5	6.6	11.3
ARLINGTON	25	16	9	24	17	7	9.3	8.7	11.4
FAIRFAX	85	66	19	92	73	19	7.3	7.1	8.1
LOUDOUN				5	5		3.2	3.6	0.0
PRINCE WILLIAM	3		3	26	16	10	6.1	4.5	15.3
ALEXANDRIA	16	5	11	21	9	12	11.6	7.9	18.0
FAIRFAX CITY				3	2	1	10.4	8.2	22.7
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	7	5	2	8	6	2	13.6	12.0	23.3
MANASSAS PARK				1			6.9	0.0	62.5
<u>DISTRICT 9</u>	6	4	2	13	8	5	7.3	5.3	17.8
CULPEPER	3	2	1	5	3	2	10.8	8.3	19.8
FAUQUIER	2	2		3	2	1	3.9	2.9	10.9
MADISON	1		1	2	1	1	12.7	7.7	35.7
ORANGE				3	2	1	10.2	8.5	17.5
RAPPAHANNOCK							0.0	0.0	0.0
<u>DISTRICT 10</u>	58	44	14	19	10	9	7.8	5.3	16.8
ALBEMARLE	51	40	11	3	3		3.1	3.6	0.0
FLUVANNA	1			2		2	9.9	0.0	30.8
GREENE	1	1		2	2		11.0	11.7	0.0
LOUISA				3	1	2	10.3	5.1	21.3
NELSON							0.0	0.0	0.0
CHARLOTTESVILLE	5	3	2	9	4	5	14.6	9.7	24.3
<u>DISTRICT 11</u>	26	14	12	24	13	11	8.5	6.1	15.7
AMHERST	1	1		2	2		5.5	7.1	0.0
APPOMATTOX	2		2	2		2	11.3	0.0	32.8
BEDFORD	1	1		2	2		3.4	3.7	0.0
CAMPBELL	3	3		9	7	2	13.8	12.7	19.8
BEDFORD CITY							0.0	0.0	0.0
LYNCHBURG	19	9	10	9	2	7	9.2	3.3	18.2

[continued]

TABLE 35
 INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
 PER 1,000 LIVE BIRTHS, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
 VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	White	Nonwhite	Total	Rate	Nonwhite
STATE OF VIRGINIA	900	464	436	963	516	447	10.0	7.3	17.2
DISTRICT 12	9	3	6	26	14	12	8.2	6.9	10.6
FRANKLIN	1	1	1	5	4	2	12.5	9.8	27.8
HEWRY	1			4	2	2	5.2	3.6	9.0
PATRICK	1	1		2	2		12.0	12.7	0.0
PITTSYLVANIA	1		1	8	4	4	12.7	10.1	17.2
DANVILLE	5	2	3	4	2	2	4.6	5.0	4.3
MARTINSVILLE	1		1	2		2	7.9	0.0	14.8
DISTRICT 13	6	2	4	13	4	9	12.2	8.0	15.7
BRUNSWICK	1		1	4		4	19.7	0.0	28.0
HALIFAX				3	2	1	8.7	10.9	6.2
NECKLEBURG	4	2	2	5	2	3	12.1	9.9	14.2
SOUTH BOSTON	1		1	1		1	9.3	0.0	17.9
DISTRICT 14	1		1	11	3	8	9.2	4.3	13.7
AMELIA				3	1	2	22.1	11.6	40.0
BUCKINGHAM				2		2	11.2	0.0	22.7
CHARLOTTE				2	1	1	11.2	11.2	11.2
CUMBERLAND				1		1	7.5	0.0	16.4
LUNEBURG				2	1	1	13.5	12.3	14.9
NOTTOWAY	1		1	1		1	5.3	0.0	10.6
PRINCE EDWARD							0.0	0.0	0.0
DISTRICT 15	197	78	119	137	55	82	11.9	7.5	19.6
CHARLES CITY COUNTY							0.0	0.0	0.0
CHESTERFIELD				22	17	5	7.0	6.4	10.1
GOOCHLAND	1	1		3	2	1	14.0	13.6	14.9
HANOVER				9	5	4	10.5	6.7	35.1
HEWICO	28	19	9	30	19	11	9.2	7.9	12.8
NEW KENT	1		1	3		3	20.4	0.0	96.8
POWHATAN				2	2		10.2	11.0	0.0
RICHMOND CITY	167	58	109	68	10	58	19.0	9.7	22.7
DISTRICT 16	8	6	2	20	13	7	7.1	5.6	13.9
CAROLINE				5	2	3	15.7	10.8	22.6
KING GEORGE				2		2	9.3	0.0	37.0
SPOTSYLVANIA				4	4		4.4	5.0	0.0
STAFFORD	8	6	2	6	6		6.4	7.1	0.0
FREDERICKSBURG		6	2	3	1	2	6.9	3.2	15.9
DISTRICT 17	2	1	1	12	4	8	22.1	14.4	30.3
LANCASTER	2	1	1	3		3	25.6	0.0	46.9
NORTHUMBERLAND				4	2	2	35.4	36.4	34.5
RICHMOND				1		1	11.8	0.0	29.4
WESTMORELAND				4	2	2	17.6	16.8	18.5
DISTRICT 18	2		2	10	4	6	10.5	5.6	24.6
ESSEX	1		1				0.0	0.0	0.0
GLOUCESTER	1		1	2	1	1	4.7	2.6	20.8
KING & QUEEN				2		2	20.6	0.0	44.4
KING WILLIAM				4	2	2	24.7	18.3	37.7
MATHEWS				1		1	14.9	0.0	83.3
MIDDLESEX				1	1		10.0	15.6	0.0
DISTRICT 19	14	2	12	23	4	19	9.0	3.3	14.0
DINWIDDIE	1		1	3		3	10.7	0.0	25.6
GREENSVILLE	1		1	3		3	21.7	0.0	34.1
PRINCE GEORGE				1	1		2.5	3.5	0.0
SURRY							0.0	0.0	0.0
SUSSEX				2		2	12.0	0.0	17.9
COLONIAL HEIGHTS							0.0	0.0	0.0
EMPORIA	1		1	1		1	8.9	0.0	11.8
HOPEWELL				3	1	2	7.6	4.0	14.0
PETERSBURG	11	2	9	10	2	8	13.2	13.8	13.1
DISTRICT 20	290	128	162	248	109	139	12.9	8.8	20.2
ISLE OF WIGHT				7	2	5	16.9	7.9	31.1
SOUTHAMPTON	1		1	3		3	15.7	0.0	27.3
CHESAPEAKE	5	1	4	22	11	11	8.4	6.2	13.2
FRANKLIN CITY	2	1	1				0.0	0.0	0.0
NORFOLK	202	88	114	88	30	58	16.2	10.6	22.3
PORTSMOUTH	38	13	25	27	6	21	13.5	6.5	19.4
SUFFOLK	10	2	8	18	5	13	20.9	12.5	28.1
VIRGINIA BEACH	32	23	9	83	55	28	11.0	9.1	18.7
DISTRICT 21	45	15	30	82	30	52	11.7	7.1	18.9
JAMES CITY COUNTY				1		1	2.4	0.0	12.0
YORK	1	1		4	3	1	9.9	9.2	12.7
HAMPTON	15	4	11	27	9	18	11.6	7.0	17.5
NEWPORT NEWS	24	8	16	47	16	31	13.4	7.9	20.9
POQUOSON							0.0	0.0	0.0
WILLIAMSBURG	5	2	3	3	2	1	14.8	15.3	13.9
DISTRICT 22	5		5	8	1	7	11.8	3.5	17.8
ACCOMACK	1		1	5		5	10.7	0.0	19.5
NORTHAMPTON	4		4	3	1	2	14.2	13.2	14.7

TABLE 36
PERINATAL DEATH RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER
GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	569	301	268	355	230	125	9.5	7.5	15.0
<u>DISTRICT 1</u>	5	4	1	3	3		6.5	5.8	50.0
LEE	2	2		2	2		6.0	6.0	
SCOTT	1	1		1	1		7.7	7.8	0.0
WISE	2	1	1	2	2		7.0	5.3	111.1
NORTON							0.0	0.0	0.0
<u>DISTRICT 2</u>	13	13		9	9		15.5	15.7	0.0
BUCHANAN	4	4		2	2		17.1	17.1	0.0
DICKERSON	3	3		1	1		19.0	19.0	
RUSSELL	3	3					9.4	9.4	0.0
TAZEWELL	3	3		6	6		16.6	17.4	0.0
<u>DISTRICT 3</u>	10	10		8	8		8.3	8.6	0.0
BLAND	1	1					15.2	15.2	
CARROLL				1	1		3.3	3.3	0.0
GRAYSON				1	1		4.9	5.0	0.0
SMYTH	3	3		2	2		12.6	12.7	0.0
WASHINGTON	5	5		3	3		14.8	15.0	0.0
WYTHE	1	1					3.1	3.2	0.0
BRISTOL				1	1		4.3	4.7	0.0
GALAX							0.0	0.0	0.0
<u>DISTRICT 4</u>	9	9		4	4		7.7	8.3	0.0
FLOYD	1	1					8.5	8.5	0.0
GILES	1	1					5.0	5.0	0.0
MONTGOMERY	2	2		1	1		3.7	4.0	0.0
PULASKI	4	4		2	2		15.1	16.7	0.0
RADFORD	1	1		1	1		12.7	13.8	0.0
<u>DISTRICT 5</u>	28	15	13	20	17	3	14.6	11.9	27.5
ALLEGHANY				3	3		20.4	20.8	0.0
BOTETOURT	2	2		3	3		16.8	17.2	0.0
CRAIG	1	1					22.2	22.2	
ROANOKE	2	2		2	2		5.6	6.0	0.0
CLIFTON FORGE	2	2					37.7	45.5	0.0
COVINGTON	3	1	2				33.3	13.9	111.1
ROANOKE CITY	18	7	11	12	9	3	18.5	14.1	28.7
SALEM							0.0	0.0	0.0
<u>DISTRICT 6</u>	7	7		12	10	2	6.6	6.3	11.2
AUGUSTA				2	2		2.9	3.0	0.0
BATH	1	1					15.6	15.9	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE	1	1					5.0	5.2	0.0
ROCKINGHAM	3	3		3	3		7.7	7.8	0.0
BUENA VISTA				1	1		10.3	11.0	0.0
HARRISONBURG	1	1					2.9	3.2	0.0
LEXINGTON				2	2		27.0	30.8	0.0
STAUNTON	1	1		3	2	1	13.3	12.0	19.6
WAYNESBORO				1		1	3.3	0.0	20.0
<u>DISTRICT 7</u>	9	8	1	9	8	1	8.1	7.6	17.5
CLARKE	1	1					6.5	6.9	0.0
FREDERICK				4	3	1	6.1	4.7	66.7
PAGE	1	1					3.8	3.9	0.0
SHENANDOAH	3	3		3	3		15.9	16.1	0.0
WARREN	2	2		1	1		7.5	8.0	0.0
WINCHESTER	2	1	1	1	1		8.1	6.3	18.5
<u>DISTRICT 8</u>	109	74	35	72	59	13	7.5	6.8	10.4
ARLINGTON	16	10	6	10	8	2	10.1	9.2	13.0
FAIRFAX	53	41	12	36	28	8	7.0	6.7	8.5
LOUDOUN	1	1		5	4	1	3.8	3.6	6.0
PRINCE WILLIAM	16	11	5	14	13	1	7.0	6.7	9.2
ALEXANDRIA	14	5	9	3	2	1	9.4	6.1	15.0
FAIRFAX CITY	2	2		1	1		10.3	12.2	0.0
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	6	4	2	3	3		15.2	13.9	23.3
MANASSAS PARK	1		1				6.9	0.0	62.5
<u>DISTRICT 9</u>	6	4	2	7	4	3	7.2	5.3	17.6
CULPEPER	2	2		3	2	1	10.8	11.0	9.8
FAUQUIER	1		1	3	2	1	5.1	2.9	21.5
MADISON	1	1					6.3	7.7	0.0
ORANGE	2	1	1	1		1	10.2	4.2	34.5
RAPPAHANNOCK							0.0	0.0	0.0
<u>DISTRICT 10</u>	11	5	6	14	11	3	10.3	9.4	16.7
ALBEMARLE	2	2		4	3	1	6.2	5.9	7.8
FLUVANNA							0.0	0.0	0.0
GREENE				2	2		10.9	11.6	0.0
LOUISA	3	1	2	2	1	1	17.0	10.1	31.6
NELSON				1	1		6.1	7.6	0.0
CHARLOTTESVILLE	6	2	4	5	4	1	17.7	14.5	24.2
<u>DISTRICT 11</u>	14	7	7	12	9	3	9.1	7.5	14.2
AMHERST	1	1		3	3		11.0	14.1	0.0
APPOMATTOX							0.0	0.0	0.0
BEDFORD				2	2		3.4	3.7	0.0
CAMPBELL	6	4	2	4	3	1	15.2	12.6	29.4
BEDFORD CITY				1		1	14.9	0.0	41.7
LYNCHBURG	7	2	5	2	1	1	9.1	5.0	15.6

[continued]

TABLE 36
PERINATAL DEATH RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER
GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	569	301	268	355	230	125	9.5	7.5	15.0
DISTRICT 12	18	12	6	15	9	6	10.4	10.3	10.5
FRANKLIN	6	4	2	1	1		14.6	12.2	27.8
HENRY	2	2		4	3	1	7.7	9.0	4.5
PATRICK	2	2		1	1		17.9	19.0	0.0
PITTSYLVANIA	4	3	1	2		2	9.5	7.5	12.8
DAWVILLE	3	1	2	6	3	3	10.4	9.9	10.8
MARTINSVILLE	1		1	1	1		7.9	8.5	7.4
DISTRICT 13	5	1	4	6	2	4	10.2	6.0	13.9
BRUNSWICK	1		1	1		1	9.8	0.0	13.9
HALIFAX	2	1	1	1	1		8.7	10.9	6.2
MECKLENBURG	2		2	2	1	1	9.6	4.9	14.2
SOUTH BOSTON				2		2	18.2	0.0	34.5
DISTRICT 14	7	2	5	4	1	3	9.2	4.9	13.6
AMELIA	3	1	2	1		1	29.2	11.6	58.8
BUCKINGHAM							0.0	0.0	0.0
CHARLOTTE	2	1	1	2	1	1	22.2	22.2	22.2
CUMBERLAND	1		1	1		1	14.9	0.0	32.3
LUNEBURG	1		1				6.8	0.0	14.9
ROTTOMAY							0.0	0.0	0.0
PRINCE EDWARD							0.0	0.0	0.0
DISTRICT 15	80	34	46	38	19	19	10.2	7.2	15.5
CHARLES CITY COUNTY							0.0	0.0	0.0
CHESTERFIELD	15	12	3	11	9	2	8.2	7.9	10.0
GOOCHLAND							0.0	0.0	0.0
HANOVER	8	5	3	2	2		11.6	9.4	26.3
HENRICO	17	10	7	13	8	3	8.6	7.5	11.6
NEW KENT	1		1				6.8	0.0	32.3
POWHEATAN	2	2					10.2	11.0	0.0
RICHMOND CITY	37	5	32	14		14	14.2	4.8	17.9
DISTRICT 16	11	6	5	11	9	3	7.8	6.1	15.7
CAROLINE	1		1	1	1		6.3	5.4	7.5
KING GEORGE	2		2				9.3	0.0	37.0
SPOTSYLVANIA	3	3		4	4		7.7	8.7	0.0
STAFFORD	3	3		3	1	2	6.4	4.7	22.2
FREDERICKSBURG	2		2	3	2	1	11.4	6.5	23.6
DISTRICT 17	7	2	5	6	1	5	23.7	10.8	37.2
LANCASTER	1		1				8.5	0.0	15.6
NORTHUMBERLAND	2	1	1				17.7	10.2	17.2
RICHMOND	1		1	2	1	1	34.5	19.2	57.1
WESTMORELAND	3	1	2	4		4	30.3	8.4	53.6
DISTRICT 18	8	4	4	6	4	2	14.6	11.2	24.4
ESSEX				2	2	1	19.4	19.2	19.6
GLOUCESTER	1	1		2	2		7.0	7.9	0.0
KING & QUEEN	2		2				20.6	0.0	44.4
KING WILLIAM	3	2	1	1		1	24.5	18.3	37.0
MATHEWS	1		1				14.9	0.0	83.3
MIDDLESEX	1	1		1	1		19.8	10.8	0.0
DISTRICT 19	15	3	12	11	2	9	10.1	4.1	15.3
DIWIDDEE	2		2	1	1		10.7	6.1	17.1
GREENSVILLE	1		1	1		1	14.4	0.0	22.5
PRINCE GEORGE	1	1					2.5	3.5	0.0
SURREY							0.0	0.0	0.0
SUSSEX	2		2	1		1	17.9	0.0	26.5
COLONIAL HEIGHTS							0.0	0.0	0.0
EMPORIA	1		1				8.9	0.0	11.8
HOPEWELL	2		2	2	1	1	10.1	3.9	20.8
PETERSBURG	6	2	4	6		6	15.7	13.8	16.2
DISTRICT 20	142	61	81	58	27	31	10.3	7.1	16.2
ISLE OF WIGHT	6	2	4	2		2	19.2	7.9	36.8
SOUTHAMPTON	1		1				5.2	0.0	9.1
CHESAPEAKE	15	7	8	3	3		6.9	5.6	9.6
FRANKLIN CITY							0.0	0.0	0.0
NORFOLK	47	16	31	17	7	10	11.7	8.1	15.7
PORTSMOUTH	18	5	13	12	4	8	14.9	9.7	19.3
SUFFOLK	10	2	8	4		4	16.1	5.0	25.8
VIRGINIA BEACH	45	29	16	20	13	7	8.6	6.9	15.3
DISTRICT 21	50	20	30	26	13	13	10.8	7.7	15.6
JAMES CITY COUNTY	1		1				2.4	0.0	12.0
YORK	3	2	1	1	1		9.8	9.1	12.7
HAMPTON	16	7	9	11	4	7	11.6	8.5	15.5
NEWPORT NEWS	27	9	18	11	6	5	10.8	7.4	15.5
POQUOSON				1	1		8.0	8.1	0.0
WILLIAMSBURG	3	2	1	2	1	1	24.4	22.7	27.4
DISTRICT 22	5		5	4	2	2	13.2	6.9	17.7
ACCOMACK	4		4	4	2	2	16.9	9.4	23.2
NORTHAMPTON	1		1				4.7	0.0	7.4

Perinatal Rate = $\frac{\text{Infant Deaths Under One Week \& Fetal Deaths 28 Weeks and Over}}{\text{Live Births \& Fetal Deaths 28 Weeks and Over}} \times 1,000$

TABLE 37
RESIDENT INFANT DEATHS BY CAUSE OF DEATH BY RACE AND SEX
WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1989

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	INFANT DEATHS					INFANT DEATH RATES				
	TOTAL DEATHS	White Male	White Female	Nonwh Male	Nonwh Female	TOTAL RATES	White Male	White Female	Nonwh Male	Nonwh Female
STATE OF VIRGINIA	963	310	206	238	209	997.5	858.1	599.6	1801.5	1627.1
Certain Intestinal Infections (008-009)	4		1		3	4.1	0.0	2.9	0.0	23.4
Whooping Cough (033)						0.0	0.0	0.0	0.0	0.0
Meningococcal Infections (036)	1		1			1.0	0.0	2.9	0.0	0.0
Septicemia (038)	6			4	2	6.2	0.0	0.0	30.3	15.6
Viral Diseases (045-079)	5	2	1	2		5.2	5.5	2.9	15.1	0.0
Congenital Syphilis (090)						0.0	0.0	0.0	0.0	0.0
Other Infectious and Parasitic Diseases (Residual of 001-139)	7	2	1	2	2	7.3	5.5	2.9	15.1	15.6
Malignant Neoplasms (140-204)	3	1	2			3.1	2.8	5.8	0.0	0.0
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)	2				2	2.1	0.0	0.0	0.0	15.6
Diseases of Thymus Gland (254)						0.0	0.0	0.0	0.0	0.0
Cystic Fibrosis (2770)						0.0	0.0	0.0	0.0	0.0
Diseases of Blood and Blood-Forming Organs (280-289)	1			1		1.0	0.0	0.0	7.6	0.0
Meningitis (320-322)	3	1		1	1	3.1	2.8	0.0	7.6	7.8
Other Diseases of Nervous System and Sense Organs (323-389)	9	5	1	1	2	9.3	13.8	2.9	7.6	15.6
Acute Upper Respiratory Infections (460-465)						0.0	0.0	0.0	0.0	0.0
Bronchitis and Bronchiolitis (466, 490-491)	3	2		1		3.1	5.5	0.0	7.6	0.0
Pneumonia and Influenza (480-487)	10	1	3	4	2	10.4	2.8	8.7	30.3	15.6
Pneumonia (480-486)	10	1	3	4	2	10.4	2.8	8.7	30.3	15.6
Influenza (487)						0.0	0.0	0.0	0.0	0.0
Other Diseases of Respiratory System (470-478, 492-519)	2	1		1		2.1	2.8	0.0	7.6	0.0
Hernia and Intestinal Obstruction (550-553, 560)	4	1	1	1	1	4.1	2.8	2.9	7.6	7.8
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (535, 555-558)	2			1	1	2.1	0.0	0.0	7.6	7.8
Other Diseases of Digestive System (520-534, 536-543, 562-579)	4	2	1	1		4.1	5.5	2.9	7.6	0.0
Congenital Anomalies (740-759)	180	74	52	28	26	186.5	204.8	151.4	211.9	202.4
Anencephalus (740)	10	5	2	1	2	10.4	13.8	5.8	7.6	15.6
Spina Bifida (741)	2		1		1	2.1	0.0	2.9	0.0	7.8
Congenital Hydrocephalus (7423)	1			1	1	1.0	0.0	0.0	0.0	7.8
Other Anomalies of Central Nervous System and Eye (7420-7422, 7424-7429, 743)	5	3		1	1	5.2	8.3	0.0	7.6	7.8
Anomalies of Heart (745-746)	63	28	20	11	4	65.3	77.5	58.2	83.3	31.1
Other Anomalies of Circulatory System (747)	9	2	3	3	1	9.3	5.5	8.7	22.7	7.8
Anomalies of Respiratory System (748)	40	13	12	6	9	41.4	36.0	34.9	45.4	70.1
Anomalies of Digestive System (749-751)	3		1	1	1	3.1	0.0	2.9	7.6	7.8
Anomalies of Genitourinary System (752-753)	9	4	2	2	1	9.3	11.1	5.8	15.1	7.8
Anomalies of Musculoskeletal System (754-756)	12	4	6	2		12.4	11.1	17.5	15.1	0.0
Down's Syndrome (7580)	2	2				2.1	5.5	0.0	0.0	0.0
Other Chromosomal Anomalies (7581-7589)	15	8	4		3	15.5	22.1	11.6	0.0	23.4
Other and Unspecified Anomalies (744, 757, 759)	9	5	1	1	2	9.3	13.8	2.9	7.6	15.6

[continued]

TABLE 37
RESIDENT INFANT DEATHS BY CAUSE OF DEATH BY RACE AND SEX
WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1989

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	INFANT DEATHS					INFANT DEATH RATES				
	TOTAL DEATHS	White Male	White Female	Nonwh Male	Nonwh Female	TOTAL RATES	White Male	White Female	Nonwh Male	Nonwh Female
STATE OF VIRGINIA	963	310	206	238	209	997.5	858.1	599.6	1,801.5	1,627.1
Certain Conditions Originating in the Perinatal Period (760-779)	527	151	110	145	121	545.9	418.0	320.2	1,097.6	942.0
Maternal Conditions Unrelated to Present Pregnancy (760)	2		1		1	2.1	0.0	2.9	0.0	7.8
Maternal Complications of Pregnancy (761)	43	12	12	11	8	44.5	33.2	34.9	83.3	62.3
Complications of Placenta, Cord, and Membranes (762)	14	3	3	4	4	14.5	8.3	8.7	30.3	31.1
Other Complications of Labor and Delivery (763)	2		1		1	2.1	0.0	2.9	0.0	7.8
Slow Fetal Growth and Fetal Malnutrition (764)						0.0	0.0	0.0	0.0	0.0
Disorders Relating to Short Gestation and Low Birth Weight (765)	175	40	33	55	47	181.3	110.7	96.1	416.3	365.9
Disorders Relating to Long Gestation and High Birth Weight (766)						0.0	0.0	0.0	0.0	0.0
Birth Trauma (767)	7	3		2	2	7.3	8.3	0.0	15.1	15.6
Intrauterine Hypoxia and Birth Asphyxia (768)	18	6	4	3	5	18.6	16.6	11.6	22.7	38.9
Fetal Distress in Liveborn Infant (7682-7684)	1			1		1.0	0.0	0.0	7.6	0.0
Birth Asphyxia (7685-7689)	17	6	4	2	5	17.6	16.6	11.6	15.1	38.9
Respiratory Distress Syndrome (769)	61	24	19	11	7	63.2	66.4	55.3	83.3	54.5
Other Respiratory Conditions (770)	75	29	13	15	18	77.7	80.3	37.8	113.5	140.1
Infections Specific to Perinatal Period (771)	31	9	5	10	7	32.1	24.9	14.6	75.7	54.5
Neonatal Hemorrhage (772)	7		3	1	3	7.3	0.0	8.7	7.6	23.4
Hemolytic Disease Due to Isoimmunization and Other Perinatal Jaundice (773-774)	1				1	1.0	0.0	0.0	0.0	7.8
Syndrome of "Infant of Diabetic Mother" and Neonatal Diabetes Mellitus (7750-7751)						0.0	0.0	0.0	0.0	0.0
Hemorrhagic Disease (7760)						0.0	0.0	0.0	0.0	0.0
Other Conditions Originating in Perinatal Period (7752-7759, 7761-7779)	91	25	16	33	17	94.3	69.2	46.6	249.8	132.3
Symptoms and Ill-Defined Conditions (780-799)	117	45	22	24	26	121.2	124.6	64.0	181.7	202.4
Sudden Infant Death Syndrome (7980)	106	41	19	20	26	109.8	113.5	55.3	151.4	202.4
Symptoms and All Ill-Defined Conditions (780-797, 7981-799)	11	4	3	4		11.4	11.1	8.7	30.3	0.0
Accidents (E800-E949)	24	4	4	9	7	24.9	11.1	11.6	68.1	54.5
Motor Vehicle (E810-E825)	7	1		3	3	7.3	2.8	0.0	22.7	23.4
Inhalation or Ingestion of Food or Object (E911-E912)	6		3	2	1	6.2	0.0	8.7	15.1	7.8
Mechanical Suffocation (E913)	7	3	1	1	2	7.3	8.3	2.9	7.6	15.6
Other Accidents (Residual of E800-E949)	4			3	1	4.1	0.0	0.0	22.7	7.8
Homicide (E960-E969)	5	2		2	1	5.2	5.5	0.0	15.1	7.8
Child Battering and Other Maltreatment (E967)	1				1	1.0	0.0	0.0	0.0	7.8
Other Homicide (E960-E966, E968-E969)	4	2		2		4.1	5.5	0.0	15.1	0.0
All Other Causes	44	16	6	10	12	45.6	44.3	17.5	75.7	93.4

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1989

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	Total	Under 1 Week			7-27 Days			Total	One Month But Less Than One Year				
	Under	Under	1-6	1 Day	7-13	14-20	21-27	Under	1	2	3-5	6-8	9-11
	1 Year	1 Day	Days		Days	Days	Days	28 Days	Mon	Mon	Mon	Mon	Mon
STATE OF VIRGINIA	963	437	132		61	31	20	681	68	68	97	30	19
Certain Intestinal Infections (008-009)	4								2		1	1	
Whooping Cough (033)									1				
Meningococcal Infections (036)	1								1				
Septicemia (038)	6								2	3	1		
Viral Diseases (045-079)	5				1			1	1	2		1	
Congenital Syphilis (090)													
Other Infectious and Parasitic Diseases (Residual of 001-139)	7				1			1	1	1	3	1	
Malignant Neoplasms (140-208)	3				1			1				1	1
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)	2	1			1			2					
Diseases of Thymus Gland (254)													
Cystic Fibrosis (2770)													
Diseases of Blood and Blood-Forming Organs (280-289)	1				1			1					
Meningitis (320-322)	3								1			1	1
Other Diseases of Nervous System and Sense Organs (323-389)	9	1						1			5	3	
Acute Upper Respiratory Infections (460-465)													
94 Bronchitis and Bronchiolitis (466, 490-491)	3										2	1	
Pneumonia and Influenza (480-487)	10								2	2	5		1
Pneumonia (480-486)	10								2	2	5		1
Influenza (487)													
Other Diseases of Respiratory System (470-478, 492-519)	2									1	1		
Hernia and Intestinal Obstruction (550-553, 560)	4	2						2		1		1	
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis (535, 555-558)	2		1		1			2					
Other Diseases of Digestive System (520-534, 536-543, 562-579)	4									2	1	1	
Congenital Anomalies (740-759)	180	53	49		21	8	8	139	13	10	10	4	4
Anencephalus (740)	10	9	1					10					
Spina Bifida (741)	2	1				1		2					
Congenital Hydrocephalus (7423)	1						1	1					
Other Anomalies of Central Nervous System and Eye (7420-7422, 7424-7429, 743)	5	2	1				1	4				1	
Anomalies of Heart (745-746)	63	3	19		10	2	5	39	7	5	7	2	3
Other Anomalies of Circulatory System (747)	9	2			5	1		8			1		
Anomalies of Respiratory System (748)	40	20	12		3	2		37	1	1		1	
Anomalies of Digestive System (749-751)	3	1						1	1				1
Anomalies of Genitourinary System (752-753)	9	5	4					9					
Anomalies of Musculoskeletal System (754-756)	12	6	3			2		11		1			
Down's Syndrome (7580)	2	1						1	1				
Other Chromosomal Anomalies (7581-7589)	15	3	6		2			11	2	1	1		
Other and Unspecified Anomalies (744, 757, 759)	9	2	1		1		1	5	1	2	1		

[continued]

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1989

CAUSES OF INFANT DEATHS (Numbers Refer to International Classification of Diseases, 9th Revision)	Total	Under 1 Week			7-27 Days			Total	One Month But Less Than One Year				
	Under	Under	1-6	7-13	14-20	21-27	Under	1	2	3-5	6-8	9-11	
	1 Year	1 Day	Days	Days	Days	Days	28 Days	Mon	Mon	Mon	Mon	Mon	
STATE OF VIRGINIA	963	437	132		61	31	20	681	68	68	97	30	19
Certain Conditions Originating in the Perinatal Period (760-779)	527	371	76		36	15	6	504	10	4	7	1	1
Maternal Conditions Unrelated to Present Pregnancy (760)	2	2						2					
Maternal Complications of Pregnancy (761)	43	41	1					42	1				
Complications of Placenta, Cord, and Membranes (762)	14	13	1					14					
Other Complications of Labor and Delivery (763)	2	2						2					
Slow Fetal Growth and Fetal Malnutrition (764)													
Disorders Relating to Short Gestation and Low Birth Weight (765)	175	168	4		2			174	1				
Disorders Relating to Long Gestation and High Birth Weight (766)													
Birth Trauma (767)	7	2	5					7					
Intrauterine Hypoxia and Birth Asphyxia (768)	18	10	4		1	1		16		1			1
Fetal Distress in Liveborn Infant (7682-7684)	1	1						1					
Birth Asphyxia (7685-7689)	17	9	4		1	1		15		1			1
Respiratory Distress Syndrome (769)	61	24	24		5	4		57	4				
Other Respiratory Conditions (770)	75	43	19		3			65	1	1	7	1	
Infections Specific to Perinatal Period (771)	31	7	6		9	5	2	29	1	1			
Neonatal Hemorrhage (772)	7	1	3		3			7					
Hemolytic Disease Due to Isoimmunization and Other Perinatal Jaundice (773-774)	1	1						1					
Syndrome of "Infant of Diabetic Mother" and Neonatal Diabetes Mellitus (7750-7751)													
Hemorrhagic Disease (7760)													
Other Conditions Originating in Perinatal Period (7752-7759, 7761-779)	91	57	9		13	5	4	88	2	1			
Symptoms and Ill-Defined Conditions (780-799)	117	2	1		1	3	4	11	26	35	35	7	3
Sudden Infant Death Syndrome (7980)	106				1	3	2	6	23	34	35	6	2
Symptoms and All Ill-Defined Conditions (780-797, 7981-799)	11	2	1				2	5	3	1		1	1
Accidents (E800-E949)	24	1	2					3	2	2	9	4	4
Motor Vehicle (E810-E825)	7	1	1					1			5	1	1
Inhalation or Ingestion of Food or Object (E911-E912)	6								1	1	1	1	2
Mechanical Suffocation (E913)	7								1	1	2	2	1
Other Accidents (Residual of E800-E949)	4	1	1					2			1	1	
Homicide (E960-E969)	5	3						3			2		
Child Battering and Other Maltreatment (E967)	1										1		
Other Homicide (E960-E966, E968-E969)	4	3						3			1		
All Other Causes	44	3	3		1	1	2	10	7	5	15	3	4

TABLE 39
DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	46,392	35,661	10,731	47,094	36,393	10,701	7.8	7.7	8.2
<u>DISTRICT 1</u>	675	661	14	957	943	14	8.8	8.9	8.3
LEE	167	166	1	275	278	1	9.8	9.8	6.5
SCOTT	91	90	1	234	233	1	9.0	9.0	5.6
WISE	256	246	10	404	392	12	8.3	8.3	11.4
WORTON	161	159	2	40	40		8.0	8.6	0.0
<u>DISTRICT 2</u>	793	780	13	1,135	1,111	24	7.6	7.5	11.0
BUCHANAN	159	159		249	248		6.2	6.2	5.3
DICKENSON	86	86		177	176	1	8.2	8.2	7.6
RUSSELL	179	178	1	280	274	6	8.1	8.0	17.8
TAZEWELL	369	357	12	429	413	16	7.9	7.9	10.4
<u>DISTRICT 3</u>	1,562	1,521	41	1,932	1,887	45	10.2	10.2	8.7
BLAND	16	15	1	60	59	1	8.5	8.7	4.0
CARROLL	87	85	2	249	249		8.6	8.6	0.0
GRAYSON	39	38	1	146	141	5	8.5	8.5	8.3
SMITH	393	386	7	394	388	6	11.4	11.5	8.9
WASHINGTON	374	364	10	437	427	10	8.7	8.7	10.8
WYTHE	287	274	13	300	287	13	11.1	11.1	12.9
BRISTOL	97	94	3	237	231	6	12.9	13.5	4.9
GALAX	269	265	4	109	105	4	15.3	15.5	11.4
<u>DISTRICT 4</u>	910	869	41	1,132	1,077	55	7.5	7.4	8.5
FLOYD	43	43		129	124	5	10.3	10.1	15.3
GILES	139	138	1	193	193		10.5	10.8	0.0
MONTGOMERY	317	298	19	403	377	26	5.8	5.6	10.1
PULASKI	204	194	10	319	300	19	8.7	8.7	9.1
RADFORD	207	196	11	88	83	5	6.2	6.3	4.6
<u>DISTRICT 5</u>	3,475	3,025	450	2,707	2,349	358	10.3	10.2	11.1
ALLEGHANY	265	240	25	148	144	4	10.0	10.0	9.5
BOTETOURT	75	63	12	198	183	15	7.7	7.3	20.9
CRAIG	11	11		48	47	1	11.0	10.8	100.0
ROANOKE	413	396	17	650	633	17	8.1	8.1	7.9
CLIFTON FORGE	64	53	11	90	76	14	17.3	17.6	15.8
COVINGTON	14	11	3	92	76	16	12.0	11.8	13.1
ROANOKE CITY	1,670	1,407	263	1,214	937	277	12.1	12.6	10.8
SALEM	963	844	119	267	253	14	10.8	10.7	12.4
<u>DISTRICT 6</u>	1,887	1,799	88	2,002	1,898	104	9.0	9.0	9.7
AUGUSTA	90	87	3	394	378	16	7.8	7.5	7.9
BATH	41	41		55	55		9.9	10.9	0.0
HIGHLAND	16	16		46	46		14.5	14.6	0.0
ROCKBRIDGE	64	59	5	187	180	7	9.9	9.8	15.0
ROCKINGHAM	195	191	4	475	464	11	8.3	8.3	9.9
BUENA VISTA	25	22	3	66	63	3	9.4	9.4	10.3
HARRISONBURG	620	601	19	224	211	13	7.9	7.8	11.3
LEXINGTON	133	130	3	55	47	8	8.1	7.7	12.5
STAUNTON	374	347	27	290	262	28	11.6	11.8	10.0
WAYNESBORO	329	305	24	210	192	18	11.3	11.4	10.2
<u>DISTRICT 7</u>	1,485	1,418	67	1,448	1,387	61	9.7	9.8	9.3
CLARKE	64	57	7	125	112	13	11.6	11.5	12.2
FREDERICK	66	62	4	279	278	1	7.0	7.0	1.6
PAGE	127	124	3	201	198	3	9.5	9.6	5.0
SHEPHERDSON	261	253	8	334	326	8	10.9	10.8	16.8
WARREN	199	188	11	245	229	16	10.1	10.0	11.0
WINCHESTER	768	734	34	264	244	20	12.3	12.7	8.7
<u>DISTRICT 8</u>	6,099	5,363	736	6,467	5,679	788	5.0	5.3	3.5
ARLINGTON	1,472	1,282	190	1,158	1,016	142	7.4	8.6	3.8
FAIRFAX	2,617	2,374	243	3,041	2,771	270	4.2	4.5	2.4
LOUDOUN	338	295	43	411	361	50	5.8	5.6	7.7
PRINCE WILLIAM	367	321	46	703	604	99	3.8	3.7	4.4
ALEXANDRIA	818	648	170	808	614	194	7.4	8.8	4.9
FAIRFAX CITY	131	126	5	118	104	14	5.6	5.5	6.8
FALLS CHURCH	18	17	1	75	69	6	7.7	8.0	5.6
MANASSAS	332	294	38	122	111	11	5.8	6.0	4.7
MANASSAS PARK	6	6		31	29	2	4.3	4.4	3.4
<u>DISTRICT 9</u>	731	627	104	964	811	153	9.0	9.0	8.9
CULPEPER	228	197	31	277	228	49	11.0	11.4	9.5
FAUQUIER	340	288	52	349	293	56	7.9	7.6	9.4
MADISON	66	55	11	98	82	16	8.8	9.0	8.2
ORANGE	85	75	10	191	166	25	9.3	9.8	6.9
RAPPAHANNOCK	12	12		49	42	7	7.8	7.3	13.5
<u>DISTRICT 10</u>	1,744	1,373	371	1,293	994	299	7.9	7.4	10.3
ALBEMARLE	1,085	861	224	386	329	57	5.7	5.5	7.1
FLUVANNA	50	29	21	104	65	39	9.0	7.8	12.1
OREGON	28	27	1	72	68	4	7.6	7.7	5.8
LOUISA	76	54	22	200	135	65	9.9	9.6	10.6
NEILSON	75	57	18	137	104	33	10.9	10.1	14.4
CHARLOTTESVILLE	430	345	85	394	293	101	9.4	8.9	11.6
<u>DISTRICT 11</u>	1,942	1,560	382	1,977	1,593	384	9.3	9.2	9.6
ANGERST	90	70	20	239	179	60	7.9	7.5	9.6
APPOMATTOX	56	43	13	124	99	25	9.4	9.7	8.4
BEDFORD	124	110	14	374	328	46	8.7	8.3	12.8
CAMPBELL	119	92	27	360	305	55	7.2	7.1	7.9
BEDFORD CITY	200	182	18	122	106	16	18.7	20.5	11.6
LYNCHBURG	1,353	1,063	290	758	576	182	10.8	11.1	9.7

(continued)

TABLE 39
DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number		Total	Rate	
					White	Nonwhite		White	Nonwhite
STATE OF VIRGINIA	46,392	35,561	10,731	47,094	36,393	10,701	7.8	7.7	8.2
DISTRICT 12	2,138	1,592	546	2,475	1,863	612	10.0	10.0	9.9
FRANKLIN	237	210	27	349	310	39	8.9	8.9	8.2
HENRY	126	102	24	452	347	105	7.8	7.9	7.6
PATRICK	136	129	7	197	187	10	10.7	11.1	6.8
PITTSYLVANIA	150	103	47	513	372	141	8.8	9.3	7.9
DANVILLE	1,002	700	302	696	477	219	12.6	12.4	12.8
MARTINSVILLE	487	348	139	268	170	98	13.9	13.3	15.0
DISTRICT 13	855	502	353	979	572	407	11.6	11.7	11.4
BRUNSWICK	80	30	50	192	79	113	11.8	11.5	12.1
HALIFAX	90	54	36	323	199	125	10.5	10.6	10.4
MECKLENBURG	368	209	159	360	219	141	12.0	11.7	12.4
SOUTH BOSTON	317	209	108	104	76	28	13.9	17.0	9.3
DISTRICT 14	573	371	202	949	589	360	10.9	10.9	10.8
AMELIA	28	18	8	74	49	25	8.1	7.8	8.7
BUCKINGHAM	53	36	17	135	93	42	10.8	13.0	7.8
CHARLOTTE	51	33	18	146	99	47	12.7	13.2	11.7
CUMBERLAND	22	12	10	76	37	39	8.9	7.5	10.9
LUWENBURG	37	20	17	143	83	60	11.6	10.5	13.8
NOTTOWAY	114	74	40	197	134	63	13.1	15.1	10.2
PRINCE EDWARD	270	178	92	178	94	84	9.8	8.3	12.1
DISTRICT 15	7,203	4,917	2,286	6,161	4,247	1,914	8.5	8.3	9.1
CHARLES CITY COUNTY	24	6	18	59	12	47	8.6	5.1	8.5
CHESTERFIELD	614	535	79	935	807	128	4.8	4.6	6.7
GOOCHLAND	40	27	13	119	72	47	8.8	7.6	11.4
HANOVER	197	171	26	499	410	89	8.4	7.7	13.7
HEWICO	2,037	1,718	319	1,808	1,557	251	8.8	9.6	5.7
NEW KENT	33	23	10	83	57	26	7.3	6.3	10.8
POWhatan	42	32	10	90	62	28	5.7	5.0	8.5
RICHMOND CITY	4,216	2,405	1,811	2,568	1,270	1,298	12.0	14.4	10.2
DISTRICT 16	919	746	173	993	786	207	6.4	6.1	8.2
CAROLINE	62	39	23	161	82	79	7.9	6.9	9.4
KING GEORGE	52	39	13	110	84	26	8.7	8.7	8.9
SPOTSYLVANIA	118	100	18	276	243	33	6.1	6.1	5.7
STAFFORD	102	94	8	267	237	30	4.8	4.6	7.5
FREDERICKSBURG	585	474	111	179	140	39	8.7	8.6	9.2
DISTRICT 17	401	305	96	601	435	166	13.6	14.6	11.5
LANCASTER	215	172	43	151	110	41	12.8	13.6	11.8
NORTHUMBERLAND	54	35	19	160	113	47	15.5	16.0	14.2
RICHMOND	66	49	17	83	62	21	11.3	11.7	10.3
WESTMORELAND	66	49	17	207	150	57	14.2	16.2	10.7
DISTRICT 18	586	409	177	766	533	233	10.4	9.5	13.2
ESSEX	146	87	59	124	74	50	13.4	13.6	13.6
GLOUCESTER	267	197	70	236	178	58	8.1	7.0	16.2
KING & QUEEN	29	11	18	82	36	46	12.4	9.8	15.6
KING WILLIAM	44	31	13	94	59	35	8.7	8.2	9.7
MATHEWS	32	27	5	105	90	15	11.2	11.3	10.9
MIDDLESEX	68	56	12	125	96	29	14.1	14.6	12.6
DISTRICT 19	1,570	933	637	1,638	973	665	10.0	10.5	9.4
DINWIDDIE	72	41	31	189	117	72	8.8	8.3	9.6
GREENSVILLE	33	15	18	100	58	42	9.2	12.7	6.7
PRINCE GEORGE	77	59	18	118	89	29	4.1	4.8	2.9
SURRY	22	7	15	75	33	42	11.8	12.6	11.2
SUSSEX	78	34	44	140	67	73	14.0	15.1	13.1
COLONIAL HEIGHTS	83	77	6	176	170	6	10.1	9.8	26.3
EMPORIA	190	93	97	97	50	47	21.0	19.0	23.5
HOPEWELL	314	238	76	247	192	55	10.0	10.2	9.2
PETERSBURG	701	369	332	496	197	299	12.5	19.4	10.2
DISTRICT 20	7,209	4,598	2,611	7,098	4,491	2,607	7.2	6.7	8.4
ISLE OF WIGHT	56	40	16	207	120	87	8.5	7.6	10.3
SOUTHAMPTON	56	21	35	168	79	89	9.1	7.9	10.7
CHESAPEAKE	787	549	238	999	695	304	7.1	7.1	7.2
FRANKLIN CITY	184	95	89	111	47	64	13.9	13.5	14.2
NORFOLK	3,041	1,803	1,238	2,241	1,238	1,003	8.2	8.0	8.4
PORTSMOUTH	1,293	757	536	1,071	592	479	9.4	10.4	8.4
SUFFOLK	477	231	246	560	262	298	10.2	8.8	12.0
VIRGINIA BEACH	1,315	1,102	213	1,741	1,458	283	4.9	4.8	5.9
DISTRICT 21	3,113	1,986	1,127	2,786	1,788	998	7.2	6.9	7.7
JAMES CITY COUNTY	102	80	22	190	139	51	6.3	6.2	6.6
YORK	65	51	14	193	144	49	4.5	4.1	5.9
HAMPTON	1,062	579	483	995	625	370	7.8	8.3	7.0
NEWPORT NEWS	1,615	1,079	536	1,235	729	506	7.6	7.0	8.7
POQUOSON	32	31	1	61	58	3	5.3	5.1	21.4
WILLIAMSBURG	237	166	71	112	93	19	9.9	9.6	12.1
DISTRICT 22	522	306	216	634	387	247	13.5	14.1	12.6
ACCOMACK	149	106	43	436	281	155	13.5	14.2	12.4
NORTHAMPTON	373	200	173	198	106	92	13.4	13.9	12.9

TABLE 40
RESIDENT DEATHS FROM IMPORTANT CAUSES BY RACE
WITH RATES PER 100,000 POPULATION
VIRGINIA, 1980-1989

(Numbers Refer to International Classification of Diseases, Ninth Revision)

YEAR	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TUBERCULOSIS, ALL FORMS (010-018)						SEPTICEMIA (038)						
1980	48	0.9	20	0.5	28	2.5	319	6.0	215	5.1	104	9.3
1981	42	0.8	24	0.6	18	1.6	363	6.7	259	6.0	104	9.2
1982	38	0.7	25	0.6	13	1.1	347	6.4	248	5.8	99	8.5
1983	32	0.6	18	0.4	14	1.2	376	6.8	249	5.7	127	10.8
1984	30	0.5	16	0.4	14	1.2	475	8.5	320	7.3	155	12.9
1985	33	0.6	15	0.3	18	1.5	470	8.2	318	7.1	152	12.4
1986	49	0.8	26	0.6	23	1.8	533	9.2	370	8.1	163	13.1
1987	30	0.5	13	0.3	17	1.3	572	9.7	396	8.6	176	13.9
1988	37	0.6	19	0.4	18	1.4	640	10.8	442	9.5	198	15.4
1989	23	0.4	12	0.3	11	0.8	593	9.8	413	8.8	180	13.8
MALIGNANT NEOPLASMS (140-208)						DIABETES MELLITUS (250)						
1980	9,139	170.9	7,144	168.9	1,995	178.7	691	12.9	456	10.8	235	21.0
1981	9,090	167.4	7,147	166.4	1,943	171.3	633	11.7	409	9.5	224	19.8
1982	9,555	174.9	7,451	173.1	2,104	181.6	624	11.4	442	10.3	182	15.7
1983	9,947	180.0	7,788	179.2	2,159	182.9	668	12.1	437	10.1	231	19.6
1984	10,016	178.9	7,820	178.0	2,196	182.3	634	11.3	401	9.1	233	19.3
1985	10,455	182.6	8,217	182.5	2,238	182.9	626	10.9	435	9.7	191	15.6
1986	10,825	186.6	8,449	185.5	2,376	190.9	703	12.1	464	10.2	239	19.2
1987	10,789	183.7	8,441	183.1	2,348	185.6	740	12.6	479	10.4	261	20.6
1988	11,088	186.4	8,647	185.5	2,441	189.8	752	12.6	492	10.6	260	20.2
1989	11,252	186.8	8,730	185.1	2,522	193.0	788	13.1	516	10.9	272	20.8
DISEASES OF HEART (390-398,402,404-429)						HYPERTENSION (401,403)						
1980	15,733	294.3	12,510	295.8	3,223	288.7	156	2.9	88	2.1	68	6.1
1981	15,442	284.4	12,370	288.0	3,072	270.9	174	3.2	107	2.5	67	5.9
1982	15,490	283.6	12,478	290.0	3,012	260.0	158	2.9	99	2.3	59	5.1
1983	16,151	292.2	13,016	299.5	3,135	265.5	152	2.8	93	2.1	59	5.0
1984	15,989	285.6	12,785	291.0	3,204	266.0	154	2.8	85	1.9	69	5.7
1985	16,036	280.1	12,810	284.5	3,226	263.7	136	2.4	84	1.9	52	4.2
1986	15,981	275.5	12,673	278.2	3,308	265.8	175	3.0	107	2.3	68	5.5
1987	15,988	272.2	12,672	274.9	3,316	262.1	147	2.5	92	2.0	55	4.3
1988	16,143	271.4	12,772	273.9	3,371	262.2	163	2.7	84	1.8	79	6.1
1989	15,756	261.6	12,474	264.5	3,282	251.2	176	2.9	102	2.2	74	5.7
CEREBROVASCULAR DISEASE (430-438)						ATHEROSCLEROSIS (440)						
1980	3,750	70.1	2,837	67.1	913	81.8	579	10.8	475	11.2	104	9.3
1981	3,819	70.3	2,940	68.4	879	77.5	537	9.9	454	10.6	83	7.3
1982	3,461	63.4	2,648	61.5	813	70.2	571	10.5	473	11.0	98	8.5
1983	3,486	63.1	2,639	60.7	847	71.7	578	10.5	470	10.8	108	9.1
1984	3,474	62.1	2,683	61.1	791	65.7	568	10.1	463	10.5	105	8.7
1985	3,510	61.3	2,714	60.3	796	65.1	477	8.3	409	9.1	68	5.6
1986	3,552	61.2	2,684	58.9	868	69.8	529	9.1	443	9.7	86	6.9
1987	3,438	58.5	2,626	57.0	812	64.2	449	7.6	370	8.0	79	6.2
1988	3,516	59.1	2,649	56.8	867	67.4	411	6.9	326	7.0	85	6.6
1989	3,309	54.9	2,588	54.9	721	55.2	383	6.4	318	6.7	65	5.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES (441-448)						PNEUMONIA AND INFLUENZA (480-487)						
1980	394	7.4	326	7.7	68	6.1	1,149	21.5	901	21.3	248	22.2
1981	417	7.7	348	8.1	69	6.1	1,252	23.1	1,016	23.7	236	20.8
1982	368	6.7	308	7.2	60	5.2	1,115	20.4	921	21.4	194	16.7
1983	448	8.1	383	8.8	65	5.5	1,263	22.9	1,038	23.9	225	19.1
1984	460	8.2	385	8.8	75	6.2	1,292	23.1	1,073	24.4	219	18.2
1985	432	7.5	373	8.3	59	4.8	1,453	25.4	1,190	26.4	263	21.5
1986	437	7.5	368	8.1	69	5.5	1,592	27.4	1,328	29.1	264	21.2
1987	466	7.9	381	8.3	85	6.7	1,592	27.1	1,336	29.0	256	20.2
1988	515	8.7	416	8.9	99	7.7	1,736	29.2	1,450	31.1	286	22.2
1989	518	8.6	428	9.1	90	6.9	1,555	25.8	1,310	27.8	245	18.8

[continued]

TABLE 40
RESIDENT DEATHS FROM IMPORTANT CAUSES BY RACE
WITH RATES PER 100,000 POPULATION
VIRGINIA, 1980-1989

(Numbers Refer to International Classification of Diseases, Ninth Revision)

YEAR	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)												
1980	1,130	21.1	999	23.6	131	11.7	608	11.4	472	11.2	136	12.2
1981	1,242	22.9	1,082	25.2	160	14.1	555	10.2	437	10.2	118	10.4
1982	1,225	22.4	1,070	24.9	155	13.4	508	9.3	401	9.3	107	9.2
1983	1,396	25.3	1,230	28.3	166	14.1	546	9.9	435	10.0	111	9.4
1984	1,457	26.0	1,273	29.0	184	15.3	554	9.9	436	9.9	118	9.8
1985	1,545	27.0	1,364	30.3	181	14.8	544	9.5	429	9.5	115	9.4
1986	1,630	28.1	1,435	31.5	195	15.7	499	8.6	393	8.6	106	8.5
1987	1,701	29.0	1,498	32.5	203	16.0	454	7.7	349	7.6	105	8.3
1988	1,641	27.6	1,455	31.2	186	14.5	546	9.2	429	9.2	117	9.1
1989	1,685	28.0	1,459	30.9	226	17.3	501	8.3	384	8.1	117	9.0
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)												
1980	3	3.8	1	1.7	2	9.8	333	6.2	259	6.1	74	6.6
1981	6	7.6	2	3.4	4	19.6	290	5.3	214	5.0	76	6.7
1982	3	3.7	1	1.7	2	9.7	287	5.3	218	5.1	69	6.0
1983	4	5.0	1	1.7	3	14.5	295	5.3	223	5.1	72	6.1
1984	6	7.3	3	4.9	3	14.1	305	5.4	221	5.0	84	7.0
1985	5	5.8	1	1.6	4	18.2	272	4.8	206	4.6	66	5.4
1986	1	1.1	1	1.6		0.0	273	4.7	198	4.3	75	6.0
1987	6	6.6	2	3.0	4	17.1	306	5.2	230	5.0	76	6.0
1988	10	10.8	5	7.3	5	20.3	294	4.9	223	4.8	71	5.5
1989	6	6.2	5	7.1	1	3.8	286	4.7	209	4.4	77	5.9
CONGENITAL ANOMALIES (740-759)												
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (760-779)												
1980	591	11.1	348	8.2	243	21.8	2,450	45.8	1,889	44.7	561	50.2
1981	560	10.3	329	7.7	231	20.4	2,253	41.5	1,736	40.4	517	45.6
1982	587	10.7	330	7.7	257	22.2	2,043	37.4	1,588	36.9	455	39.3
1983	525	9.5	265	6.1	260	22.0	2,076	37.6	1,566	36.0	510	43.2
1984	540	9.6	297	6.8	243	20.2	2,185	39.0	1,696	38.6	489	40.6
1985	535	9.3	291	6.5	244	19.9	2,176	38.0	1,605	35.6	571	46.7
1986	500	8.6	271	5.9	229	18.4	2,273	39.2	1,705	37.4	568	45.6
1987	434	7.4	227	4.9	207	16.4	2,302	39.2	1,740	37.8	562	44.4
1988	481	8.1	245	5.3	236	18.4	2,212	37.2	1,647	35.3	565	43.9
1989	527	8.8	261	5.5	266	20.4	2,196	36.5	1,593	33.8	603	46.1
ACCIDENTS, ALL TYPES (E800-E949)												
MOTOR VEHICLE ACCIDENTS (E810-E825)												
1980	1,081	20.2	856	20.2	225	20.2	1,369	25.6	1,033	24.4	336	30.1
1981	1,049	19.3	855	19.9	194	17.1	1,204	22.2	881	20.5	323	28.5
1982	875	16.0	713	16.6	162	14.0	1,168	21.4	875	20.3	293	25.3
1983	924	16.7	734	16.9	190	16.1	1,152	20.8	832	19.1	320	27.1
1984	1,009	18.0	785	17.9	224	18.6	1,176	21.0	911	20.7	265	22.0
1985	999	17.4	752	16.7	247	20.2	1,177	20.6	853	18.9	324	26.5
1986	1,122	19.3	865	19.0	257	20.7	1,151	19.8	840	18.4	311	25.0
1987	1,078	18.4	875	19.0	203	16.0	1,224	20.8	865	18.8	359	28.4
1988	1,020	17.1	785	16.8	235	18.3	1,192	20.0	862	18.5	330	25.7
1989	1,018	16.9	743	15.8	275	21.0	1,178	19.6	850	18.0	328	25.1
ALL OTHER ACCIDENTS (E800-E807, E826-E949)												
SUICIDE (E950-E959)												
1980	718	13.4	646	15.3	72	6.4	496	9.3	237	5.6	259	23.2
1981	711	13.1	633	14.7	78	6.9	500	9.2	268	6.2	232	20.5
1982	761	13.9	678	15.8	83	7.2	447	8.2	218	5.1	229	19.8
1983	718	13.0	630	14.5	88	7.5	430	7.8	203	4.7	227	19.2
1984	710	12.7	625	14.2	85	7.1	461	8.2	236	5.4	225	18.7
1985	751	13.1	667	14.8	84	6.9	427	7.5	202	4.5	225	18.4
1986	810	14.0	706	15.5	104	8.4	458	7.9	219	4.8	239	19.2
1987	830	14.1	732	15.9	98	7.7	472	8.0	207	4.5	265	20.9
1988	756	12.7	669	14.3	87	6.8	496	8.3	210	4.5	286	22.2
1989	814	13.5	698	14.8	116	8.9	519	8.6	228	4.8	291	22.3
HOMICIDE (E960-E978)												

* Rates Per 100,000 Live Births

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																		Age Up	Unk
			Under 5 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89		
ALL CAUSES OF DEATH	TOTAL	47,094	963	153	90	113	130	481	615	769	836	997	1,271	1,639	2,548	3,870	5,346	5,940	6,424	5,929	8,767	13
	WH M	18,631	310	66	35	54	162	238	310	338	359	440	546	712	1,196	1,809	2,348	2,713	2,646	2,116	2,230	3
	WH F	17,762	206	34	20	36	71	63	104	153	187	262	306	440	671	1,100	1,673	1,932	2,490	2,842	5,171	1
	NW M	5,775	238	27	21	10	76	142	147	195	202	183	257	315	382	577	734	733	659	407	466	4
	NW F	4,926	209	26	14	13	21	38	54	83	88	112	162	172	299	384	591	562	629	564	900	5
Certain Other Intestinal Infections (007-009)	TOTAL	9	4														1	1	2		1	
	WH M	1																			1	
	WH F	5	1														1	1	2			
	NW M																					
	NW F	3	3																			
Tuberculosis, All Forms (010-018)	TOTAL	23											3	1	1			6	3	2	7	
	WH M	6																3	1		2	
	WH F	6													1		1	1	2	1		
	NW M	5											3				1			1		
	NW F	6										1					1	1		3		
Meningococcal Infection (036)	TOTAL	4	1												1	1					1	
	WH M	1																				
	WH F	2	1																			
	NW M																					
	NW F	1													1							
Septicemia (038)	TOTAL	593	6	4	1	1	1	5	8	7	12	17	15	22	36	48	71	105	98	135	1	
	WH M	185		3				3	3	2	4	4	7	7	12	16	31	39	28	27		
	WH F	228					1	2	1	1	4	7	2	4	8	19	19	35	52	73		
	NW M	79	4					2	2	2	1	4	3	6	9	9	10	12	7	8		
	NW F	101	2	1				1	2	2	3	2	3	5	7	4	11	19	11	27	1	
Viral Hepatitis (070)	TOTAL	22	1					1	2	1	1		2	1	2	1	1	6	3			
	WH M	12						1	1	1			1				1	5	1			
	WH F	7									1				1			1	2			
	NW M	3	1						1								1					
	NW F																					
Syphilis (090-097)	TOTAL	2			1									1								
	WH M	1			1																	
	WH F																					
	NW M	1												1								
	NW F																					
Other Infectious and Parasitic Diseases (Residual of 001-139)	TOTAL	468	11	3	2	1	2	13	53	86	76	47	36	17	13	16	27	15	23	11	16	
	WH M	233	4	2	2	1		4	27	43	42	24	22	10	9	6	12	8	7	6	4	
	WH F	62	2	1				3	5	3	5	2	1	1	1	3	5	6	10	2	12	
	NW M	134	3				1	5	18	33	23	17	12	5	1	5	5	1	3	2		
	NW F	39	2				1	1	3	7	6	4	1	1	2	2	5	3	1			
Malignant Neoplasms (140-208)	TOTAL	11,252	3	16	17	22	21	32	52	94	166	282	434	637	903	1,422	1,841	1,772	1,498	1,086	951	2
	WH M	4,573	1	8	8	8	8	14	22	30	40	90	156	232	378	647	777	801	617	435	301	
	WH F	4,157	2	4	5	9	7	11	16	37	82	120	158	243	300	465	642	560	563	454	479	
	NW M	1,422	1	2	1	5	3	9	14	15	12	12	57	97	116	193	237	262	189	100	86	3
	NW F	1,100	3	2	4	1	4	5	13	29	40	63	65	109	117	185	149	129	97	85		

(continued)

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																	Age Unk
			Under 5 < 1 1-4	10- 5-9 14	15- 19 24	20- 24 29	25- 29 34	30- 34 39	35- 39 44	40- 44 49	45- 49 54	50- 54 59	55- 59 64	60- 64 69	65- 69 74	70- 74 79	75- 79 84	80- 84 89	85 Up	
1) Lip, Oral Cavity, and Pharynx (140-149)	TOTAL	180			1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	WH M	78			1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	WH F	47																		
	NW M	44																		
2) Digestive Organs and Peritoneum (150-159)	TOTAL	2,526	1	2	2	10	10	30	56	62	127	192	274	401	412	350	296	300	1	1
	WH M	986	1	1	2	3	4	10	27	26	51	75	135	162	169	140	111	71		
	WH F	875		1		2	1	9	20	18	39	46	64	121	132	110	135	177		
	NW M	343			1	4	2	6	5	12	26	40	50	56	62	49	12	17		1
3) Respiratory and Intra-thoracic Organs (160-165)	TOTAL	3,428			2	1	7	16	58	119	207	354	540	706	600	431	243	143	1	1
	WH M	1,777			1	1	5	29	104	207	354	540	706	600	431	243	143	143		
	WH F	967			1		4	10	30	55	90	145	227	155	124	75	47			
	NW M	504					2	5	10	25	52	48	79	97	88	53	28	16		1
4) Breast (174-175)	TOTAL	1,006			1	3	16	43	63	77	90	97	115	126	110	111	74	80		
	WH M	7							1											
	WH F	777				3	9	36	43	50	67	72	94	97	84	93	61	68		
	NW M	1																		
5) Genital Organs (179-187)	TOTAL	1,186			2	5	8	15	14	25	46	56	123	177	213	187	163	152		
	WH M	437			1	1	1	2	2	1	5	9	32	57	102	76	79	72		
	WH F	404			1	1	6	10	9	17	32	32	56	70	44	52	39	35		
	NW M	234				1						9	17	32	51	47	36	37		
6) Urinary Organs (188-189)	TOTAL	375				2	5	7	14	17	29	45	48	50	62	43	53			
	WH M	188				1	1	4	8	11	17	25	26	24	31	20	21			
	WH F	105					1	2	4	5	7	10	8	13	20	12	22			
	NW M	50				1	1	1	1	1	5	8	10	9	7	3	4			
7) Other and Unspecified Sites (170-173, 190-199)	TOTAL	1,510	11	6	6	6	11	16	25	32	53	82	99	100	193	207	206	175	145	137
	WH M	658	6	1	1	2	3	7	11	14	19	44	49	47	96	106	91	66	55	40
	WH F	562	3	3	3	2	5	5	9	11	20	24	27	33	57	64	69	76	70	81
	NW M	155	1	1	1	2	1	3	4	2	12	9	9	10	28	11	24	17	11	8
8) Leukemia (204-208)	TOTAL	407	2	4	11	10	11	12	6	11	13	14	9	16	22	40	47	50	65	34
	WH M	177		2	7	3	5	7	3	4	4	1	4	6	16	20	22	27	25	12
	WH F	175	2	2	4	2	5	3	6	7	9	5	6	5	14	16	16	35	21	17
	NW M	28		1	1	3		1	1	2	2	2	2	2	5	4	3	3		3
9) Other Neoplasms of Lymphatic and Hematopoietic Tissues (200-203)	TOTAL	634	1	4	2	3	11	13	11	16	35	27	39	65	93	100	97	71	46	
	WH M	265		3	2	2	7	8	6	6	17	14	23	33	38	37	36	22	13	
	WH F	245	1	1	2	1	2	1	4	7	8	11	11	21	32	37	47	34	26	
	NW M	63					1	4	1	2	7	1	1	4	10	15	9	8	1	
	TOTAL	61					1	1	1	1	3	2	4	7	13	11	5	7	6	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																		Age Unk	
			Under 5 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84			
Benign Neoplasms and Neoplasms of Unspecified Nature (210-239)	TOTAL	144	2	2	1	3	1	2	1	3	5	3	6	8	11	16	22	21	14	23		
	WH M	63		1		1				1	3	1	4	3	7	5	11	8	9	8		
	WH F	46						1		1	2	2		5	3	4	7	9	5	7		
	NW M	13	1			2		1					2			3	2	1		1		
	NW F	22	2			1			1	1					1	4	2	3		7		
Diabetes Mellitus (250)	TOTAL	788		1		1	3	11	8	13	17	31	31	59	78	96	124	115	93	107		
	WH M	242				1		3	6	5	4	14	11	21	17	28	42	31	31	28		
	WH F	274						4	1	3	6	7	5	14	28	32	48	39	39	48		
	NW M	110		1			3	1	1	2	4	5	10	9	20	14	12	16	6	6		
	NW F	162						3	3	3	3	5	5	15	13	22	22	29	17	25		
Nutritional Deficiencies (260-269)	TOTAL	72	1											2	5	4	8	10	42			
	WH M	19												1	2		3	3	10			
	WH F	31	1												1	2	2	5	19			
	NW M	8													1		2	1	4			
	NW F	14													1	2	1	1	9			
Anemias (280-285)	TOTAL	86		1				2	2	4	2	2	2	5	6	3	6	8	10	32	1	
	WH M	18						1		1	1		1	2	1	1	1	3	6	6		
	WH F	40							1	1			1	2	2	4	1	9	18			
	NW M	18						1	1	2	1		2	2	1		3	1	3	1		
	NW F	10		1								1	1				1		5			
Meningitis (320-322)	TOTAL	19	3	2	1	1				1	2		1	2	3			1	1			
	WH M	8	1	2	1					1	2				1							
	WH F	4			1										1			1				
	NW M	1	1																			
	NW F	6	1									1	1	1	1				1			
Major Cardiovascular Diseases (390-448)	TOTAL	20,142	27	16	9	10	11	24	39	25	129	241	371	514	987	1,519	2,239	2,589	3,086	3,122	5,110	4
	WH M	7,690	10	8	1	4	5	11	19	38	68	118	175	262	515	756	1,008	1,201	1,268	1,052	1,170	1
	WH F	8,220	4	2	2	2	1	4	4	23	14	48	50	86	205	359	645	830	1,213	1,552	3,175	1
	NW M	2,067	5	3	6	1	1	6	9	23	34	45	94	110	159	231	316	282	292	207	243	
	NW F	2,165	8	3	0	3	4	3	7	11	13	30	52	56	108	173	270	276	313	311	522	2
1) Diseases of Heart (390-398,402,404-429)	TOTAL	15,756	25	14	9	9	11	21	29	71	105	197	313	441	841	1,270	1,831	2,059	2,426	2,367	3,715	2
	WH M	6,260	10	7	1	4	5	10	15	31	55	108	155	235	450	660	847	983	1,014	802	867	1
	WH F	6,214	4	1	2	1	1	4	1	17	10	32	35	71	165	293	511	649	949	1,173	2,295	
	NW M	1,673	5	3	6	1	1	5	7	17	31	37	80	91	139	192	253	220	234	163	188	
	NW F	1,609	6	3		3	4	2	6	6	9	20	43	44	87	125	220	207	229	229	365	1
a) Rheumatic Fever and Rheumatic Heart Disease (390-398)	TOTAL	90					1			3		6	3	3	10	8		9	8	18	13	8
	WH M	24					1					2	1	1	4	1		5	1	2	2	4
	WH F	49							2			2	1	2	6	6		3	5	11	8	3
	NW M	5							1										1	2	1	
	NW F	12									2	1				1		1	3	2	1	
b) Hypertensive Heart Disease (402)	TOTAL	398						1	3	1	6	7	11	16	17	42	48	60	61	105		
	WH M	87							1		4	1	4	5	15	10	10	10	14	13		
	WH F	151							1		1			3	8	9	12	24	28	65		
	NW M	71						1	1	1		3	3	5	13	11	16	9	4	4		
	NW F	89									1	3	4	3	1	12	10	17	15	23		

(continued)

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS															
			Under 5 < 1	10- 1-4	15- 5-9	20- 14	25- 19	30- 24	35- 29	40- 34	45- 39	50- 44	55- 49	60- 54	65- 59	70- 64	75- 69	80- 74
c) Hypertensive Heart and Renal Disease (404)	TOTAL	54																
	WH M	9								1	2	2	1	4		11	9	13
	WH F	12														1	3	2
	NW M	19															3	6
	NW F	14								1	2	2	1	1	6	3	2	3
d) Ischemic Heart Disease (410-414)	TOTAL	2,554	1	1	2	2	9	31	56	117	199	295	372	853	1,177	1,329	1,552	1,407
	WH M	4,184	1	1	1	1	6	20	38	79	107	175	320	485	596	669	662	519
	WH F	3,612						4	4	12	23	48	116	186	324	411	607	670
	NW M	923			1	1	1	7	12	17	43	50	89	111	136	119	145	100
	NW F	835			1		2	2	2	9	26	22	47	71	121	130	118	118
1) Acute Myocardial Infarction (410)	TOTAL	4,767	1		1	1	2	15	25	57	97	159	300	472	658	693	832	698
	WH M	2,175	1		1		2	9	16	40	54	98	169	275	338	357	364	253
	WH F	1,764						1	1	6	12	27	63	113	187	218	337	350
	NW M	405				1		3	8	4	19	24	42	48	67	55	62	35
	NW F	423						2	7	7	12	10	26	36	66	63	69	60
11) Other Ischemic Heart Disease (411-414)	TOTAL	4,787		1	1	1	7	18	31	60	102	136	272	381	519	636	720	709
	WH M	2,009		1			4	11	22	39	53	77	151	210	258	312	318	266
	WH F	1,848						3	3	6	11	21	53	73	137	193	270	320
	NW M	518					1	4	4	13	24	26	47	63	69	64	83	65
	NW F	412			1		2		2	2	14	12	21	35	55	67	49	58
e) Other Diseases of Endocardium (424)	TOTAL	239	1		1	1	1	1	4	1	2	2	10	13	12	29	41	43
	WH M	82	1		1		1		2	1	1	1	6	7	5	15	18	8
	WH F	121				1			1			1	1	5	5	12	18	27
	NW M	14						1	1						2	1	2	2
	NW F	22									1		1	1	2	1	3	6
f) All Other Forms of Heart Disease (415-423, 425-429)	TOTAL	5,421	24	13	9	8	18	31	44	66	100	128	232	355	591	634	746	830
	WH M	1,874	9	6	1	3	8	10	15	22	45	54	115	151	231	287	299	257
	WH F	2,269	4	1	2	1	3	10	5	17	11	20	39	88	170	208	286	434
	NW M	641	5	3	6	1	4	5	7	17	32	36	42	66	106	77	74	54
	NW F	637	6	3	3	3	2	4	4	7	12	18	36	50	84	62	87	85
2) Hypertension (401, 403)	TOTAL	176	1					1	3	1	3	3	8	16	20	25	23	27
	WH M	38						1						7	1	8	8	5
	WH F	64	1						1		1		3	2	6	9	7	12
	NW M	27									2	3	1	1	8		2	5
	NW F	47							2	1			4	6	5	8	6	5
3) Cerebrovascular Diseases (430-438)	TOTAL	3,309	2	1	1	2	10	19	16	36	51	60	103	175	272	377	505	601
	WH M	998		1		1	4	4	10	8	17	23	42	64	90	150	177	187
	WH F	1,590			1		3	6	3	13	14	13	29	51	98	132	215	312
	NW M	303				1	2	5	1	7	11	15	17	28	46	49	47	33
	NW F	418	2				1	4	2	8	9	9	15	32	38	46	66	69
4) Atherosclerosis (440)	TOTAL	383							1		1	5	8	8	24	30	44	71
	WH M	115							1			1	6	2	15	5	19	26
	WH F	203										2	1	3	5	14	16	39
	NW M	21									1				1	6	3	3
	NW F	44										2	1	1	3	5	6	3

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																		Age Up	Unk
			Under 5 < 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		
5) Other Diseases of Arteries, Arterioles, and Capillaries (441-448)	TOTAL	518					1		4	4	7	3	5	27	50	92	98	88	56	83		
	WH M	279							2	2	2	3	3	17	23	55	55	50	32	35		
	WH F	149												7	10	25	26	26	16	36		
	NW M	43							1	2	1		1	2	8	8	7	6	3	4		
	NW F	47					1		1		1		1	1	9	4	10	6	5	8		
Acute Bronchitis and Bronchiolitis (466)	TOTAL	18	3	2								2			1	1	2	3	2	2		
	WH M	5	2														1	2				
	WH F	8		1								1			1		1	2		1		
	NW M	4	1	1								1				1						
	NW F	1																		1		
Pneumonia and Influenza (480-487)	TOTAL	1,555	10	2	3	1	2	5	7	10	17	9	19	22	38	45	88	171	221	285	600	
	WH M	618	1	1				4	2	3	6	4	9	9	20	21	38	90	101	123	186	
	WH F	692	3		1		1	1	2	1	4	3	4	5	8	15	30	46	85	127	356	
	NW M	127	4						2	1	4	2	3	5	7	6	15	26	20	15	17	
	NW F	118	2	1	2	1	1		1	5	3		3	3	3	3	5	9	15	20	41	
Chronic Obstructive Pulmonary Diseases (490-496)	TOTAL	1,685			1		2	4	6	8	10		16	41	88	168	259	319	333	216	208	1
	WH M	800					1	1	2	3	2		6	16	36	72	131	160	173	104	92	1
	WH F	659							2	2	4		5	15	39	72	94	112	129	90	94	
	NW M	144			1			3	2	2	3		3	7	7	14	21	32	24	13	12	
	NW F	82								1	1		2	3	6	10	12	15	13	9	10	
Ulcer of Stomach and Duodenum (531-533)	TOTAL	111							1				1	4	5	7	5	28	15	15	30	
	WH M	47												1	2	5	3	10	5	8	13	
	WH F	50							1					3	1	1	2	12	8	7	15	
	NW M	7													2	1		3			1	
	NW F	7											1					3	2		1	
Appendicitis (540-543)	TOTAL	8					1										2	3		1	1	
	WH M	3																2				
	WH F	3															2				1	
	NW M	2						1										1				
	NW F																					
Hernia and Intestinal Obstruction (550-553,560)	TOTAL	112	4							1	3		1		2	6	8	17	21	19	30	
	WH M	21	1													1	2	5	2	5	5	
	WH F	60	1							1	2					2	4	9	12	11	18	
	NW M	15	1												2	2	2	2	2	1	3	
	NW F	16	1								1		1			1		1	5	2	4	
Chronic Liver Disease and Cirrhosis (571)	TOTAL	501					1	4	11	34	34		40	43	63	76	74	64	31	16	10	
	WH M	257					1	1	4	15	22		20	17	34	47	39	32	18	5	2	
	WH F	127						2	1	3	2		7	10	13	15	28	20	9	9	8	
	NW M	74						1	2	8	6		6	14	10	9	5	9	3	1		
	NW F	43							4	8	4		7	2	6	5	2	3	1	1		
Cholelithiasis and Other Disorders of Gall Bladder (574-575)	TOTAL	65								1			1		2	3	5	13	8	14	18	
	WH M	29								1					1	3	2	10	2	4	6	
	WH F	26											1				2	2	4	7	9	
	NW M	3																				
	NW F	7															1		2	3	3	

[continued]

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																		Age Unk
			Under 5 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+ Up	
Nephritis, Nephrotic Syndrome, and Nephrosis (580-589)	TOTAL	490	4	1			1	4	8	7	3	5	11	20	35	52	60	80	80	118	1
	WH M	167	3	1			1	2	3				2	8	13	21	27	25	25	36	
	WH F	149							1	3	1	1		1	8	11	13	25	34	51	
	NW M	71	1					1	3	4	2	2	4	6	5	6	8	11	8	10	
	NW F	103						1	1			2	5	5	9	14	12	19	13	21	1
Infections of Kidney (590)	TOTAL	20																			
	WH M	6												1	1	1	4	2	5	5	
	WH F	9															1	1	1	2	
	NW M	2																	3	3	
	NW F	3																	1		
Hyperplasia of Prostate (600)	TOTAL	8																			
	WH M	5																			
	WH F																				
	NW M	3																			
	NW F																				
Complications of Pregnancy, Childbirth, and the Puerperium (630-676)	TOTAL	6																			
	WH M						1	1	1	3											
	WH F	5					1		1	3											
	NW M																				
	NW F	1						1													
Congenital Anomalies (740-759)	TOTAL	286	180	13	5	8	1	8	4	4	6	6	5	4	6	4	8	7	7	6	4
	WH M	117	74	8	2	4	1	1	2	3	3	2	1	1	5	2	5	2	2	3	1
	WH F	92	52	4	2	4		5	1		2	3	2	1	4	2	2	1	2	3	2
	NW M	43	28	1	1			1	1	1	1	1	1	1	1	1	1	3	3		
	NW F	34	26				1	1	1		1	1	1	1	1	1	1	1			1
Certain Conditions Originating in the Perinatal Period (760-779)	TOTAL	527	527																		
	WH M	157	151																		
	WH F	110	110																		
	NW M	145	145																		
	NW F	121	121																		
Symptoms and Ill-Defined Conditions (780-799)	TOTAL	436	117	6	2	1	4	8	8	6	12	9	8	10	11	15	18	19	40	45	97
	WH M	150	45	1	1	1	1	2	2	2	8	4	3	2	6	6	9	12	12	11	22
	WH F	169	22		1		1	3	2	2	2	2	4	1	5	6	5	22	28	63	
	NW M	65	24	3			2	3	4	1	4	2	2	3	3	2	2	2	3	3	
	NW F	52	26	2					1		1	1	1	1	2	1		4	3	9	
All Other Diseases (Residual)	TOTAL	4,073	29	17	10	16	13	25	34	48	60	91	94	114	158	243	377	466	610	648	1,020
	WH M	1,422	11	5	6	9	8	5	12	17	17	37	34	50	68	103	167	189	253	197	234
	WH F	1,755	3	5	2	4	1	5	7	7	14	20	25	27	40	71	108	183	256	354	623
	NW M	457	9	4		3	4	7	6	13	23	20	24	24	26	41	58	52	53	32	58
	NW F	439	6	3	2			8	9	11	6	14	11	13	24	28	44	42	48	65	105
Accidents (E800-E949)	TOTAL	2,196	24	54	33	41	165	197	200	189	149	118	102	96	86	116	109	106	124	106	181
	WH M	1,047	4	22	12	18	98	119	119	101	73	61	54	45	42	54	46	40	33	46	60
	WH F	546	4	12	7	13	35	17	32	38	24	28	17	25	21	23	22	39	53	42	94
	NW M	427	9	11	8	5	27	50	42	42	44	22	24	21	15	31	26	16	17	9	8
	NW F	176	7	9	6	5	5	11	7	8	8	7	7	5	8	8	15	11	21	9	19

(continued)

TABLE 41
RESIDENT DEATHS BY CAUSE BY AGE, RACE, AND SEX
VIRGINIA, 1989

CAUSE OF DEATH WITH ICD CODE	Race\ Sex	TOTAL	AGE IN YEARS																		Age Unk
			Under 5 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84		
1) Motor Vehicle Accidents (E810-E825)	TOTAL	1,018	7	18	17	21	131	143	124	106	73	60	56	46	46	27	36	24	24	13	
	WH M	504	1	5	6	9	75	79	70	54	32	27	26	20	18	16	17	13	12	14	10
	WH F	239		5	6	7	33	17	27	23	12	16	10	15	12	15	4	19	9	6	3
	NW M	205	3	4	4	1	19	39	23	22	24	13	15	9	10	12	3	1	1	2	
	NW F	70	3	4	1	4	4	8	4	7	5	4	5	2	6	3	3	3	2	2	
2) Home Accidents (Home E850-E949)	TOTAL	849	7	33	14	8	8	11	27	29	34	26	19	13	18	31	33	27	41	25	45
	WH M	193	2	17	6	2	6	8	15	17	17	13	9	6	10	15	11	9	7	10	13
	WH F	121	1	5	1	3			2	5	6	6	4	2	5	3	10	9	20	12	27
	NW M	97	2	7	4	3	2	2	8	6	10	6	5	5	2	9	10	8	5	1	2
	NW F	38	2	4	3		1		2	1	1	1	1		1	4	2	1	9	2	3
3) All Other Accidents (E800-E807, E826-E849) (Other E850-E949)	TOTAL	729	10	3	2	12	26	43	49	54	42	32	27	37	22	39	49	43	59	57	123
	WH M	350	1			7	17	32	34	30	24	21	19	19	14	23	18	18	14	22	37
	WH F	186	3	2		3	2		3	10	6	6	3	8	4	5	8	11	24	24	64
	NW M	125	4			1	6	9	11	14	10	3	4	7	3	10	13	7	11	6	6
	NW F	68	2	1	2	1	1	2	1		2	2	1	3	1	1	10	7	10	5	16
Suicide (E950-E959)	TOTAL	814			4	54	74	94	93	84	61	52	51	48	44	45	40	40	16	13	1
	WH M	558			3	32	50	66	54	52	43	37	39	34	29	31	32	30	13	12	1
	WH F	140			1	15	6	15	16	19	11	7	10	7	11	8	5	6	2		
	NW M	93				6	15	9	19	11	6	8	1	5	2	5	3	3			
	NW F	23				1	3	4	4	2	1		1	2	2	1		1	1		
Homicide and Legal Intervention (E960-E978)	TOTAL	519	5	12	6	3	49	81	84	85	57	40	25	15	15	10	11	10	7	2	1
	WH M	160	2	3	2	1	8	21	25	24	20	18	7	3	9	6	4	1	4	2	
	WH F	68		4		2	8	6	10	12	8	2	7	1		1	1	4	2		
	NW M	222	2	2	2		26	48	37	34	23	18	8	7	4	3	3	4	1		
	NW F	69	1	3	2		7	6	12	15	6	2	3	4	2		3	1			1
Other External Causes (E980-E999)	TOTAL	40	1	2	2	2	3	6	9		4		2	1	4	1	3				
	WH M	16			2		2	5	4		1				1						
	WH F	12		1			1		3		1		2		2	1	1				
	NW M	10					2	1	2		2				1		2				
	NW F	2	1											1							

TABLE 42
FIVE LEADING CAUSES OF DEATH IN SPECIFIED AGE GROUPS BY RACE
VIRGINIA, 1989

AGE AT DEATH	TOTAL		WHITE		NONWHITE	
	Number	Percent	Number	Percent	Number	Percent
<u>Total Deaths</u> <u>All Causes</u>	<u>47,094</u>	<u>100.0</u>	<u>36,393</u>	<u>100.0</u>	<u>10,701</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	15,756	33.5	12,474	34.3	3,282	30.7
Malignant Neoplasms (140-208)	11,252	23.9	8,730	24.0	2,522	23.6
Cerebrovascular Diseases (430-438)	3,309	7.0	2,588	7.1	721	6.7
All Accidents (E800-E949)	2,196	4.7	1,593	4.4	603	5.6
Chronic Obstructive Pulmonary Diseases (490-496)	1,685	3.6	1,459	4.0	226	2.1
All Other Causes	12,896	27.4	9,549	26.2	3,347	31.3
<u>Under 1 Year</u> <u>All Causes</u>	<u>963</u>	<u>100.0</u>	<u>516</u>	<u>100.0</u>	<u>447</u>	<u>100.0</u>
Certain Conditions Originating in the Perinatal Period (760-779)	527	54.7	261	50.6	266	59.5
Congenital Anomalies (740-759)	180	18.7	126	24.4	54	12.1
Diseases of Heart (390-398,402,404-429)	25	2.6	14	2.7	11	2.5
All Accidents (E800-E949)	24	2.5	8	1.6	16	3.6
Pneumonia and Influenza (480-487)	10	1.0	4	0.8	6	1.3
All Other Causes	197	20.5	103	20.0	94	21.0
<u>1-4 Years</u> <u>All Causes</u>	<u>153</u>	<u>100.0</u>	<u>100</u>	<u>100.0</u>	<u>53</u>	<u>100.0</u>
All Accidents (E800-E949)	54	35.3	34	34.0	20	37.7
Malignant Neoplasms (140-208)	16	10.5	12	12.0	4	7.5
Diseases of Heart (390-398,402,404-429)	14	9.2	8	8.0	6	11.3
Congenital Anomalies (740-759)	13	8.5	12	12.0	1	1.9
Homicide and Legal Intervention (E960-E978)	12	7.8	7	7.0	5	9.4
All Other Causes	44	28.8	27	27.0	17	32.1
<u>5-14 Years</u> <u>All Causes</u>	<u>203</u>	<u>100.0</u>	<u>145</u>	<u>100.0</u>	<u>58</u>	<u>100.0</u>
All Accidents (E800-E949)	74	36.5	50	34.5	24	41.4
Malignant Neoplasms (140-208)	39	19.2	30	20.7	9	15.5
Diseases of Heart (390-398,402,404-429)	18	8.9	8	5.5	10	17.2
Congenital Anomalies (740-759)	13	6.4	12	8.3	1	1.7
Homicide and Legal Intervention (E960-E978)	9	4.4	5	3.4	4	6.9
All Other Causes	50	24.6	40	27.6	10	17.2
<u>15-24 Years</u> <u>All Causes</u>	<u>811</u>	<u>100.0</u>	<u>534</u>	<u>100.0</u>	<u>277</u>	<u>100.0</u>
All Accidents (E800-E949)	362	44.6	269	50.4	93	33.6
Homicide and Legal Intervention (E960-E978)	130	16.0	43	8.1	87	31.4
Suicide (E950-E959)	128	15.8	103	19.3	25	9.0
Malignant Neoplasms (140-208)	53	6.5	40	7.5	13	4.7
Diseases of Heart (390-398,402,404-429)	32	3.9	20	3.7	12	4.3
All Other Causes	106	13.1	59	11.0	47	17.0
<u>25-44 Years</u> <u>All Causes</u>	<u>3,217</u>	<u>100.0</u>	<u>2,153</u>	<u>100.0</u>	<u>1,064</u>	<u>100.0</u>
All Accidents (E800-E949)	656	20.4	476	22.1	180	16.9
Malignant Neoplasms (140-208)	594	18.5	437	20.3	157	14.8
Diseases of Heart (390-398,402,404-429)	402	12.5	269	12.5	133	12.5
Suicide (E950-E959)	332	10.3	276	12.8	56	5.3
Homicide and Legal Intervention (E960-E978)	266	8.3	119	5.5	147	13.8
All Other Causes	967	30.1	576	26.8	391	36.7
<u>45-64 Years</u> <u>All Causes</u>	<u>9,328</u>	<u>100.0</u>	<u>6,780</u>	<u>100.0</u>	<u>2,548</u>	<u>100.0</u>
Malignant Neoplasms (140-208)	3,396	36.4	2,579	38.0	817	32.1
Diseases of Heart (390-398,402,404-429)	2,865	30.7	2,064	30.4	801	31.4
All Accidents (E800-E949)	400	4.3	281	4.1	119	4.7
Cerebrovascular Diseases (430-438)	389	4.2	253	3.7	136	5.3
Chronic Obstructive Pulmonary Diseases (490-496)	313	3.4	261	3.8	52	2.0
All Other Causes	1,965	21.1	1,342	19.8	623	24.5
<u>65-74 Years</u> <u>All Causes</u>	<u>11,286</u>	<u>100.0</u>	<u>8,666</u>	<u>100.0</u>	<u>2,620</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	3,890	34.5	2,990	34.5	900	34.4
Malignant Neoplasms (140-208)	3,613	32.0	2,780	32.1	833	31.8
Cerebrovascular Diseases (430-438)	649	5.8	470	5.4	179	6.8
Chronic Obstructive Pulmonary Diseases (490-496)	577	5.1	497	5.7	80	3.1
Pneumonia and Influenza (480-487)	259	2.3	204	2.4	55	2.1
All Other Causes	2,298	20.4	1,725	19.9	573	21.9
<u>75 and Over</u> <u>All Causes</u>	<u>21,120</u>	<u>100.0</u>	<u>17,495</u>	<u>100.0</u>	<u>3,625</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	8,508	40.3	7,100	40.6	1,408	38.8
Malignant Neoplasms (140-208)	3,535	16.7	2,849	16.3	686	18.9
Cerebrovascular Diseases (430-438)	2,183	10.3	1,810	10.3	373	10.3
Pneumonia and Influenza (480-487)	1,106	5.2	978	5.6	128	3.5
Chronic Obstructive Pulmonary Diseases (490-496)	763	3.6	682	3.9	81	2.2
All Other Causes	5,025	23.8	4,076	23.3	949	26.2
<u>Age Unknown</u> <u>All Causes</u>	<u>13</u>		<u>4</u>		<u>9</u>	

TABLE 43
RESIDENT ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT
VIRGINIA, 1989

TYPE OF ACCIDENT	TOTAL	AGE IN YEARS												
		Under 5		10-		15- 20-		25- 35-		45- 55-		65- 75-		85
		< 1	1-4	5-9	14	19	24	34	44	54	64	74	84	Up
TOTAL DEATHS DUE TO ACCIDENTS	2,196	24	54	33	41	165	197	389	267	198	202	215	230	181
Railway (E800-E807)	13					1	2	4	4		1	1		
Motor Vehicle (E810-E825)	1,018	7	18	17	21	131	143	230	133	102	92	63	48	13
Other Road Vehicle (E826-E829)	7		1			1		2		2	1			
Water Transport (E830-E838)	25					3	3	4	2	7	3	2	1	
Aircraft (E840-E845)	14				2	1		1	3	6		1		
Off the Road Vehicle (E846-E848)	1									1				
Poisoning by Drugs (E850-E858)	99		1			1	6	36	30	5	6	2	6	6
Poisoning by Other Solids and Liquids (E860-E866)	48						2	7	11	15	10	3		
Poisoning by Gases and Vapors (E867-E869)	15					1		3	5	3		2	1	
Surgical and Medical Misadventures and Complications (E870-E879)	59	1				1			7	5	8	14	15	8
Falls (E880-E888)	267	1	1	1	1	3	3	19	12	7	17	46	66	90
Fires (E890-E899)	146		16	10	3		5	9	14	12	17	22	26	12
Excessive Heat or Cold or Exposure (E900-E904)	59	1						3	6	8	12	10	12	7
Insects and Animals (E905-E906)	4								1	1	1		1	
Lightning (E907)	1						1							
Drowning and Submersion (E910)	96	1	7	2	5	9	14	22	15	4	3	8	3	3
Suffocation From Inhaled or Ingested Object (E911-E912)	116	6	4					3	3	4	12	23	29	32
Mechanical Suffocation (E913)	25	7	2	1	3		2	8	1	1				
Falling or Projected Object or Caught Between Objects (E916-E918)	27						2	6	7	4	7	1		
Machinery (E919)	44		2			2	3	9	6	4	6	7	5	
Cutting and Piercing Instruments or Objects (E920)	2						1					1		
Explosion of Pressure Vessel (E921)	1					1								
Firearms (E922)	28			2	4	6	4	6	2	1	1	1	1	
Explosive Materials (E923)	4							3				1		
Hot Substance, Corrosive Material, Steam (E924)	2		1										1	
Electric Current (E925)	12				1	1	2	6	1			1		
Other and Unspecified Environmental Causes (E928)	35		1			1	1	3		2	4	3	13	7
Late Effects (E929)	23					2	3	5	4	2	1	1	2	3
Drugs Causing Adverse Effects in Therapeutic Use (E930-E949)	5				1					2		2		

TABLE 44
RESIDENT HOME ACCIDENTAL DEATHS BY AGE AND TYPE OF ACCIDENT
(Included in Tabulation of All Accidental Deaths)
VIRGINIA, 1989

TYPE OF ACCIDENT	TOTAL	AGE IN YEARS												
		Under 5		10-		15- 20-		25- 35-		45- 55-		65- 75-		85
		< 1	1-4	5-9	14	19	24	34	44	54	64	74	84	Up
TOTAL DEATHS DUE TO ACCIDENTS	456	7	36	15	8	8	11	56	60	33	51	60	66	45
Motor Vehicle (E810-E825)	5		2	1							2			
Other Road Vehicle (E826-E829)	2		1							1				
Poisoning by Drugs (E850-E858)	59		1			1	3	22	22	5	3	1		1
Poisoning by Other Solids and Liquids (E860-E866)	30						1	6	6	7	7	3		
Poisoning by Gases and Vapors (E867-E869)	8							2	3	1		1	1	
Falls (E880-E888)	126	1	1			1		5	7	3	11	23	38	36
Fires (E890-E899)	119		16	10	3		4	6	14	10	15	19	17	5
Excessive Heat or Cold or Exposure (E900-E904)	21							2		2	6	4	5	2
Insects and Animals (E905-E906)	2										1		1	
Drowning and Submersion (E910)	19	1	6	1				2	2		1	4	1	1
Suffocation From Inhaled or Ingested Object (E911-E912)	7		3							2		1	1	
Mechanical Suffocation (E913)	15	5	2	1	2			5						
Falling or Projected Object or Caught Between Objects (E916-E918)	5								3		2			
Machinery (E919)	8		2						1	1	1	2	1	
Cutting and Piercing Instruments or Objects (E920)	1						1							
Firearms (E922)	16			2	3	5	2	2	1		1			
Explosive materials (E923)	2							1				1		
Hot Substance, Corrosive Material, Steam (E924)	2		1										1	
Electric Current (E925)	5					1		2	1			1		
Other and Unspecified Environmental Causes (E928)	1		1											
Late Effects (E929)	3							1		1	1			

TABLE 45
DEATHS OCCURRING IN VIRGINIA AND TO RESIDENTS OF VIRGINIA
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DEATHS OCCURRING IN VIRGINIA			DEATHS TO RESIDENTS OF VIRGINIA		
	Total	White	Nonwhite	Total	White	Nonwhite
ALL CAUSES OF DEATH	46,392	35,661	10,731	47,094	36,393	10,701
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009					
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038					
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070					
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of 001-139						
13) Malignant Neoplasms	140-208					
14) Lip, Oral Cavity, and Pharynx	140-149					
15) Digestive Organs and Peritoneum	150-159					
16) Respiratory & Intrathoracic Organs ..	160-165					
17) Breast	174-175					
18) Genital Organs	179-187					
19) Urinary Organs	188-189					
20) Other & Unspecified Sites ..	170-173, 190-199					
21) Leukemia	204-208					
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203					
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239					
24) Diabetes Mellitus	250					
25) Nutritional Deficiencies	260-269					
26) Anemias	280-285					
27) Meningitis	320-322					
28) Major Cardiovascular Diseases	390-448					
29) Diseases of Heart	390-398, 402, 404-429					
30) Rheumatic Fever and Rheumatic Heart Disease	390-398					
31) Hypertensive Heart Disease	402					
32) Hypertensive Heart & Renal Disease ..	404					
33) Ischemic Heart Disease	410-414					
34) Acute Myocardial Infarction	410					
35) Other Ischemic Heart Disease ...	411-414					
36) Other Diseases of Endocardium	424					
37) All Other Forms of Heart Disease 415-423, 425-429						
38) Hypertension	401, 403					
39) Cerebrovascular Diseases	430-438					
40) Atherosclerosis	440					
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448					
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487					
44) Chronic Obstructive Pulmonary Diseases	490-496					
45) Ulcer of Stomach and Duodenum	531-533					
46) Appendicitis	540-543					
47) Hernia & Intestinal Obstruction ..	550-553, 560					
48) Chronic Liver Disease and Cirrhosis ..	571					
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575					
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589					
51) Infections of Kidney	590					
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759					
55) Certain Conditions Originating in the Perinatal Period	760-779					
56) Symptoms and Ill-Defined Conditions ..	780-799					
57) All Other Diseases	Residual					
58) Accidents	E800-E949					
59) Motor Vehicle Accidents	E810-E825					
60) Home Accidents	Home E850-E949					
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949					
62) Suicide	E950-E959					
63) Homicide and Legal Intervention	E960-E978					
64) Other External Causes	E980-E999					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 1
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITY							
	TOTAL			Lee		Scott		Wise		Norton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	957	943	14	278	1	233	1	392	12	40	
1) Shigellosis and Amebiasis	004-006										
2) Certain Other Intestinal Infections ..	007-009										
3) Tuberculosis, All Forms	010-018										
4) Whooping Cough	033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035										
6) Meningococcal Infection	036										
7) Septicemia	038	7	7	2		2		3			
8) Acute Poliomyelitis	045										
9) Measles	055										
10) Viral Hepatitis	070										
11) Syphilis	090-097										
12) Other Infectious & Parasitic Diseases Residual of 001-139		4	3	1		2		1	1		
13) Malignant Neoplasms	140-208	216	214	2	59	62		81	2	10	
14) Lip, Oral Cavity, and Pharynx	140-149	5	5			3		2			
15) Digestive Organs and Peritoneum	150-159	38	37	1	9	11		15	1	2	
16) Respiratory & Intrathoracic Organs .	160-165	79	78	1	20	23		31	1	4	
17) Breast	174-175	12	12		4	1		7			
18) Genital Organs	179-187	17	17		7	7		3			
19) Urinary Organs	188-189	7	7		2	2		3			
20) Other & Unspecified Sites .. 170-173, 190-199		31	31		8	10		12		1	
21) Leukemia	204-208	13	13		5	2		3		3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	14	14		4	3		7			
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	3	3					3			
24) Diabetes Mellitus	250	23	23		8	6		7		2	
25) Nutritional Deficiencies	260-269	1	1		1						
26) Anemias	280-285	2	2		2						
27) Meningitis	320-322										
28) Major Cardiovascular Diseases	390-448	446	437	9	133	109	1	179	8	16	
29) Diseases of Heart	390-398, 402, 404-429	359	353	6	108	89	1	147	5	9	
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	1	1		1						
31) Hypertensive Heart Disease	402	5	4	1	1	2	1	1			
32) Hypertensive Heart & Renal Disease ..	404	1	1			1					
33) Ischemic Heart Disease	410-414	269	266	3	87	74		98	3	7	
34) Acute Myocardial Infarction	410	160	159	1	56	41		57	1	5	
35) Other Ischemic Heart Disease	411-414	109	107	2	31	33		41	2	2	
36) Other Diseases of Endocardium	424	3	3			2		1			
37) All Other Forms of Heart Disease 415-423, 425-429		80	78	2	19	10		47	2	2	
38) Hypertension	401, 403	2	2			1		1			
39) Cerebrovascular Diseases	430-438	58	55	3	22	12		16	3	5	
40) Atherosclerosis	440	14	14		2	2		8		2	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	13	13		1	5		7			
42) Acute Bronchitis and Bronchiolitis ...	466	1	1			1					
43) Pneumonia and Influenza	480-487	39	39		15	6		17		1	
44) Chronic Obstructive Pulmonary Diseases	490-496	49	48	1	7	11		26		4	
45) Ulcer of Stomach and Duodenum	531-533	4	4		2			1		1	
46) Appendicitis	540-543	1	1					1			
47) Hernia & Intestinal Obstruction ..	550-553, 560										
48) Chronic Liver Disease and Cirrhosis ..	571	4	4		2			2			
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3	3			1		2			
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	13	13		6	5		2			
51) Infections of Kidney	590										
52) Hyperplasia of Prostate	600										
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676										
54) Congenital Anomalies	740-759	4	3	1	1	1		1	1		
55) Certain Conditions Originating in the Perinatal Period	760-779	2	2		1	1					
56) Symptoms and Ill-Defined Conditions ..	780-799	5	5		2	3					
57) All Other Diseases	Residual	70	70		19	11		38		2	
58) Accidents	E800-E949	39	39		10	7		21		1	
59) Motor Vehicle Accidents	E910-E925	23	23		6	5		11		1	
60) Home Accidents	Home E850-E949	4	4			1		3			
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	12	12		4	1		7			
62) Suicide	E950-E959	15	15		3	4		5		3	
63) Homicide and Legal Intervention	E960-E978	4	4		3	1					
64) Other External Causes	E980-E999	2	2		2						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 2
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES					
	Total	White	Nonwh	Buchanan White	Dickenson White	Russell White	Tazewell White		
ALL CAUSES OF DEATH	1,135	1,111	24	248	1	176	1	274	6
1) Shigellosis and Amebiasis	004-006								
2) Certain Other Intestinal Infections ..	007-009	1	1			1			
3) Tuberculosis, All Forms	010-018	1	1			1			
4) Whooping Cough	033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035								
6) Meningococcal Infection	036								
7) Septicemia	038	8	8	2	1	1		4	
8) Acute Poliomyelitis	045								
9) Measles	055								
10) Viral Hepatitis	070								
11) Syphilis	090-097								
12) Other Infectious & Parasitic Diseases Residual of	001-139	6	6		4	1		1	
13) Malignant Neoplasms	140-208	244	239	5	50	36	56	1	97
14) Lip, Oral Cavity, and Pharynx	140-149	2	2				1		1
15) Digestive Organs and Peritoneum	150-159	54	53	1	17	9	7		20
16) Respiratory & Intrathoracic Organs ..	160-165	85	83	2	17	13	16	1	37
17) Breast	174-175	19	18	1	3	1	9		5
18) Genital Organs	179-187	25	24	1	3	3	9		9
19) Urinary Organs	188-189	11	11	3	3	1	3		4
20) Other & Unspecified Sites ..	170-173, 190-199	24	24	5	3	6	6		10
21) Leukemia	204-208	8	8	1	2	1	1		4
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	16	16	1	4	4	4		7
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239								
24) Diabetes Mellitus	250	17	17	3	3	4			7
25) Nutritional Deficiencies	260-269	2	2			1			1
26) Anemias	280-285	2	2	2					
27) Meningitis	320-322	1	1			1			
28) Major Cardiovascular Diseases	390-448	501	491	10	99	81	130	2	181
29) Diseases of Heart	390-398, 402, 404-429	411	402	9	79	68	110	2	145
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2	2				1		1
31) Hypertensive Heart Disease	402	3	3	1					2
32) Hypertensive Heart & Renal Disease	404	1	1						1
33) Ischemic Heart Disease	410-414	288	282	6	61	52	68	1	101
34) Acute Myocardial Infarction	410	167	163	4	41	36	34	1	52
35) Other Ischemic Heart Disease ...	411-414	121	119	2	20	16	34		49
36) Other Diseases of Endocardium	424	6	6	2			2		2
37) All Other Forms of Heart Disease	415-423, 425-429	111	108	3	15	16	39	1	38
38) Hypertension	401, 403	4	4	1		1			2
39) Cerebrovascular Diseases	430-438	68	67	1	16	7	17		27
40) Atherosclerosis	440	4	4			3			1
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	14	14	3		2	3		6
42) Acute Bronchitis and Bronchiolitis ...	466	1	1	1					
43) Pneumonia and Influenza	480-487	29	29	7		5	6		11
44) Chronic Obstructive Pulmonary Diseases	490-496	68	66	2	20	10	17		19
45) Ulcer of Stomach and Duodenum	531-533	4	4	1			2		1
46) Appendicitis	540-543								
47) Hernia & Intestinal Obstruction ..	550-553, 560	1	1						1
48) Chronic Liver Disease and Cirrhosis ..	571	6	6	2		2	2		
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	4	4			1			3
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	9	8	1		1	1		6
51) Infections of Kidney	590								
52) Hyperplasia of Prostate	600								
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676								
54) Congenital Anomalies	740-759	4	4	1		1	2		
55) Certain Conditions Originating in the Perinatal Period	760-779	11	11	3		2	3		3
56) Symptoms and Ill-Defined Conditions ..	780-799	4	3	1		2		1	1
57) All Other Diseases	Residual	93	92	1	23	9	25		35
58) Accidents	E800-E949	76	74	2	20	13	15	2	26
59) Motor Vehicle Accidents	E810-E825	35	35	10		7	5		13
60) Home Accidents	Home E850-E949	15	15	3		3	3		6
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	26	24	2	7	3	7	2	7
62) Suicide	E950-E959	27	26	1	9	3	3		11
63) Homicide and Legal Intervention	E960-E978	14	14	5	5	2	2		5
64) Other External Causes	E980-E999	1		1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 3
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES							
	TOTAL			Bland		Carroll		Grayson		Smyth	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,932	1,887	45	55	1	249		141	5	388	6
1) Shigellosis and Amebiasis 004-006											
2) Certain Other Intestinal Infections .. 007-009	1	1									
3) Tuberculosis, All Forms 010-018	1	1								1	
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	23	23				8		3		5	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	1	1						1			
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139	6	6								1	
13) Malignant Neoplasms 140-208	382	368	*14	9		48		24	2	74	2
14) Lip, Oral Cavity, and Pharynx 140-149	4	4									
15) Digestive Organs and Peritoneum 150-159	79	76	3	2		11		4	1	11	1
16) Respiratory & Intrathoracic Organs .. 160-165	135	131	4	4		16		9	1	33	1
17) Breast 174-175	27	26	1			4		4		5	
18) Genital Organs 179-187	34	33	1	1		5		3		12	
19) Urinary Organs 188-189	11	9	2	1		1		1			
20) Other & Unspecified Sites .. 170-173, 190-199	54	53	1	1		6		1		12	
21) Leukemia 204-208	12	11	1			1				1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	26	25	1			4		2			
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	3	3									
24) Diabetes Mellitus 250	37	34	3	2		2		1		3	
25) Nutritional Deficiencies 260-269	1	1									
26) Anemias 280-285	3	3								1	
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	923	903	20	24	1	120		73	2	200	3
29) Diseases of Heart 390-398, 402, 404-429	726	710	16	20		90		53	2	163	1
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	6	5	1			1		1		1	
31) Hypertensive Heart Disease 402	15	14	1			1				4	
32) Hypertensive Heart & Renal Disease .. 404	1	1								1	
33) Ischemic Heart Disease 410-414	465	454	11	15		54		35	1	111	2
34) Acute Myocardial Infarction 410	272	266	6	5		34		19	1	67	
35) Other Ischemic Heart Disease ... 411-414	193	188	5	10		20		16		44	2
36) Other Diseases of Endocardium 424	10	10				2		2			
37) All Other Forms of Heart Disease 415-423, 425-429	229	226	3	5		32		15	1	46	1
38) Hypertension 401, 403	6	5	1	1		1					
39) Cerebrovascular Diseases 430-438	140	137	3	1	1	20		12		26	
40) Atherosclerosis 440	25	25		2		6		6		1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	26	26				3		2		10	
42) Acute Bronchitis and Bronchiolitis ... 466											
43) Pneumonia and Influenza 480-487	129	128	1	4		13		5		24	
44) Chronic Obstructive Pulmonary Diseases 490-496	76	76		6		8		3		15	
45) Ulcer of Stomach and Duodenum 531-533	3	3								2	
46) Appendicitis 540-543	1		1								
47) Hernia & Intestinal Obstruction .. 550-553, 560	2	2				1					
48) Chronic Liver Disease and Cirrhosis .. 571	17	16	1			3				4	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3						2			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	17	16	1					3		4	
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	8	8								1	
55) Certain Conditions Originating in the Perinatal Period 760-779	8	8		1				2		2	
56) Symptoms and Ill-Defined Conditions .. 780-799	22	22		1		5		2		2	
57) All Other Diseases Residual	151	149	2	6		24		16	1	19	
58) Accidents E800-E949	76	75	1	2		12		6		20	1
59) Motor Vehicle Accidents E810-E825	27	26	1	1		5		6		5	1
60) Home Accidents Home E850-E949	16	16				4				6	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	33	33		1		3				9	
62) Suicide E950-E959	29	29		2		5				6	
63) Homicide and Legal Intervention E960-E978	8	7	1	1							
64) Other External Causes E980-E999	1	1		1						4	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 3
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES							
	Washington		Wythe		Bristol		Galax	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	427	10	287	13	231	6	105	4
1) Shigellosis and Amebiasis	004-006							
2) Certain Other Intestinal Infections ..	007-009		1					
3) Tuberculosis, All Forms	010-018							
4) Whooping Cough	033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035							
6) Meningococcal Infection	036							
7) Septicemia	038	2	2		1		2	
8) Acute Poliomyelitis	045							
9) Measles	055							
10) Viral Hepatitis	070							
11) Syphilis	090-097							
12) Other Infectious & Parasitic Diseases Residual of	001-139	1	2		1		1	
13) Malignant Neoplasms	140-208	83	4	55	4	49	26	2
14) Lip, Oral Cavity, and Pharynx	140-149	1		2			1	
15) Digestive Organs and Peritoneum	150-159	19	1	17		9	3	
16) Respiratory & Intrathoracic Organs .	160-165	27	1	17		15	10	1
17) Breast	174-175	6		2	1	5		
18) Genital Organs	179-187	5		2	1	3	2	
19) Urinary Organs	188-189	2	1	1	1	1	2	
20) Other & Unspecified Sites ..	170-173, 190-199	13	1	8		10	2	
21) Leukemia	204-208	2		3	1	3	1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	8		3		3	5	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	1		1		1		
24) Diabetes Mellitus	250	10		9	2	5	1	2
25) Nutritional Deficiencies	260-269						1	
26) Anemias	280-285	1		1				
27) Meningitis	320-322							
28) Major Cardiovascular Diseases	390-448	198	5	129	4	119	3	40
29) Diseases of Heart	390-398, 402, 404-429	160	4	98	4	97	2	29
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	1		1				1
31) Hypertensive Heart Disease	402	5		1	1	3		
32) Hypertensive Heart & Renal Disease	404							
33) Ischemic Heart Disease	410-414	99	3	71	3	51	2	18
34) Acute Myocardial Infarction	410	64	2	43	1	25	2	9
35) Other Ischemic Heart Disease ...	411-414	35	1	28	2	26		9
36) Other Diseases of Endocardium	424	4				2		
37) All Other Forms of Heart Disease	415-423, 425-429	51	1	25		41		11
38) Hypertension	401, 403	2	1	1				
39) Cerebrovascular Diseases	430-438	29		22		17	1	10
40) Atherosclerosis	440	2		4		3		1
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	5		4		2		
42) Acute Bronchitis and Bronchiolitis ...	466							
43) Pneumonia and Influenza	480-487	35		20		15	1	12
44) Chronic Obstructive Pulmonary Diseases	490-496	24		14		4		2
45) Ulcer of Stomach and Duodenum	531-533					1		
46) Appendicitis	540-543		1					
47) Hernia & Intestinal Obstruction ..	550-553, 560	1						
48) Chronic Liver Disease and Cirrhosis ..	571	3		4	1	2		
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575					1		
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	2		7			1	
51) Infections of Kidney	590							
52) Hyperplasia of Prostate	600							
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676							
54) Congenital Anomalies	740-759	6				1		
55) Certain Conditions Originating in the Perinatal Period	760-779	2		1				
56) Symptoms and Ill-Defined Conditions ..	780-799	3		9				
57) All Other Diseases	Residual	30		19	1	21		14
58) Accidents	E800-E949	17		8		7		3
59) Motor Vehicle Accidents	E810-E825	5		1		2		1
60) Home Accidents	Home E850-E949	3		1		1		1
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	9		6		4		1
62) Suicide	E950-E959	8		5		3		
63) Homicide and Legal Intervention	E960-E978				1			2
64) Other External Causes	E980-E999							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 4
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY			
	Total	White	Nonwh	Floyd White	Monwh	Giles White	Nonwh
ALL CAUSES OF DEATH	1,132	1,077	55	124	5	193	
1) Shigellosis and Amebiasis 004-006							
2) Certain Other Intestinal Infections .. 007-009							
3) Tuberculosis, All Forms 010-018							
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	11	10	1	3		1	
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070	1	1					
11) Syphilis 090-097							
12) Other Infectious & Parasitic Diseases Residual of 001-139	2	2					
13) Malignant Neoplasms 140-208	231	219	12	30	1	40	
14) Lip, Oral Cavity, and Pharynx 140-149	2	1	1				
15) Digestive Organs and Peritoneum 150-159	41	39	2	3		3	
16) Respiratory & Intrathoracic Organs .. 160-165	67	63	4	10	1	12	
17) Breast 174-175	21	20	1	3		4	
18) Genital Organs 179-187	29	28	1	2		8	
19) Urinary Organs 188-189	7	7		2		2	
20) Other & Unspecified Sites .. 170-173, 190-199	35	33	2	7		4	
21) Leukemia 204-208	14	14		3		4	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	15	14	1			3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	4	3	1	1			
24) Diabetes Mellitus 250	13	12	1	2		5	
25) Nutritional Deficiencies 260-269	3	3		1			
26) Anemias 280-285	3	3					
27) Meningitis 320-322							
28) Major Cardiovascular Diseases 390-448	553	529	24	51	3	92	
29) Diseases of Heart 390-398, 402, 404-429	448	429	19	44	3	77	
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	5	5				1	
31) Hypertensive Heart Disease 402	6	6		2			
32) Hypertensive Heart & Renal Disease .. 404	1	1					
33) Ischemic Heart Disease 410-414	273	261	12	26	1	38	
34) Acute Myocardial Infarction 410	169	162	7	13		23	
35) Other Ischemic Heart Disease ... 411-414	104	99	5	13	1	15	
36) Other Diseases of Endocardium 424	2	2					
37) All Other Forms of Heart Disease 415-423, 425-429	161	154	7	16	2	38	
38) Hypertension 401, 403	1	1					
39) Cerebrovascular Diseases 430-438	78	75	3	4		13	
40) Atherosclerosis 440	13	11	2	3		1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	13	13				1	
42) Acute Bronchitis and Bronchiolitis ... 466							
43) Pneumonia and Influenza 480-487	41	38	3	5		7	
44) Chronic Obstructive Pulmonary Diseases 490-496	35	32	3	4		7	
45) Ulcer of Stomach and Duodenum 531-533	3	3				1	
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553, 560	1	1					
48) Chronic Liver Disease and Cirrhosis .. 571	14	11	3	1	1	1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	9	9				2	
51) Infections of Kidney 590	1	1					
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	6	6				1	
55) Certain Conditions Originating in the Perinatal Period 760-779	6	6		2		1	
56) Symptoms and Ill-Defined Conditions .. 780-799	7	7				1	
57) All Other Diseases Residual	89	87	2	10		16	
58) Accidents E800-E949	63	62	1	11		11	
59) Motor Vehicle Accidents E810-E825	28	27	1	3		8	
60) Home Accidents Home E850-E949	9	9		4			
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	26	26		4		3	
62) Suicide E950-E959	22	18	4	2		4	
63) Homicide and Legal Intervention E960-E978	13	13		1		3	
64) Other External Causes E980-E999							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 4
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Montgomery		Pulaski		Radford	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	377	26	300	19	83	5
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009					
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	1	5			
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070				1	
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of 001-139			2			
13) Malignant Neoplasms	140-208	75	5	59	4	15
14) Lip, Oral Cavity, and Pharynx	140-149	1	1			2
15) Digestive Organs and Peritoneum ..	150-159	18		14		
16) Respiratory & Intrathoracic Organs ..	160-165	16		19	3	6
17) Breast	174-175	9		2	1	2
18) Genital Organs	179-187	9	1	8		1
19) Urinary Organs	188-189	1		1		1
20) Other & Unspecified Sites .. 170-173,190-199		10	2	9		3
21) Leukemia	204-208	4		3		
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	7	1	3		1
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	2	1			
24) Diabetes Mellitus	250	2		1	1	2
25) Nutritional Deficiencies	260-269	1				1
26) Anemias	280-285	1		1		1
27) Meningitis	320-322					
28) Major Cardiovascular Diseases	390-448	186	11	156	8	44
29) Diseases of Heart	390-398,402,404-429	153	2	128	5	27
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	1		3		
31) Hypertensive Heart Disease	402	2		2		
32) Hypertensive Heart & Renal Disease ..	404			1		
33) Ischemic Heart Disease	410-414	94	7	84	3	19
34) Acute Myocardial Infarction	410	54	4	57	2	15
35) Other Ischemic Heart Disease ...	411-414	40	3	27	1	4
36) Other Diseases of Endocardium	424	2				
37) All Other Forms of Heart Disease 415-423,425-429		54	2	38	2	8
38) Hypertension	401,403			1		
39) Cerebrovascular Diseases	430-438	25	1	21	2	12
40) Atherosclerosis	440	2	1	2	1	3
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	6		4		2
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	13	2	12	1	1
44) Chronic Obstructive Pulmonary Diseases	490-496	11	1	8	2	2
45) Ulcer of Stomach and Duodenum	531-533	2				
46) Appendicitis	540-543					
47) Hernia & Intestinal Obstruction ..	550-553,560	1				
48) Chronic Liver Disease and Cirrhosis ..	571	7		1	1	1
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575			1		
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	4		2		1
51) Infections of Kidney	590	1				
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759	3		2		
55) Certain Conditions Originating in the Perinatal Period	760-779	1		1		1
56) Symptoms and Ill-Defined Conditions ..	780-799	1		3		2
57) All Other Diseases	Residual	28	1	26	1	7
58) Accidents	E800-E949	25		12		3
59) Motor Vehicle Accidents	E810-E825	8		6	1	2
60) Home Accidents	Home E850-E949	4		1		
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	13		5		1
62) Suicide	E950-E959	7	4	4		1
63) Homicide and Legal Intervention	E960-E978	5		4		
64) Other External Causes	E980-E999					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 5
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES							
	Total	White	Nonwh	Alleghany White	Nonwh	Botetourt White	Nonwh	Craig White	Nonwh	Roanoke White	Nonwh
ALL CAUSES OF DEATH	2,707	2,349	358	144	4	183	15	47	1	633	17
1) Shigellosis and Amebiasis	004-006										
2) Certain Other Intestinal Infections ..	007-009	1	1								
3) Tuberculosis, All Forms	010-018									1	
4) Whooping Cough	033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035										
6) Meningococcal Infection	036	1	1			1					
7) Septicemia	038	29	27	2		2		1		8	
8) Acute Poliomyelitis	045										
9) Measles	055										
10) Viral Hepatitis	070	1	1								
11) Syphilis	090-097										
12) Other Infectious & Parasitic Diseases Residual of 001-139		24	22	2		3				3	
13) Malignant Neoplasms	140-208	610	518	92	28	1	36	1	16	144	5
14) Lip, Oral Cavity, and Pharynx	140-149	7	3	4						1	
15) Digestive Organs and Peritoneum	150-159	150	122	28	6	1	6	1	4	33	2
16) Respiratory & Intrathoracic Organs ..	160-165	170	143	27	9		10		8	37	2
17) Breast	174-175	53	47	6	5		2		2	19	
18) Genital Organs	179-187	60	46	14	3		3		1	8	1
19) Urinary Organs	188-189	21	19	2						8	
20) Other & Unspecified Sites .. 170-173,190-199		80	74	6						27	
21) Leukemia	204-208	27	26	1	2		5	1		5	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	42	38	4	3		6			6	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	10	7	3	1		1			3	
24) Diabetes Mellitus	250	54	44	10	4		5	1		13	1
25) Nutritional Deficiencies	260-269	5	5							2	
26) Anemias	280-285	5	4	1			1			1	
27) Meningitis	320-322	1	1							1	
28) Major Cardiovascular Diseases	390-448	1,208	1,077	131	72	3	96	9	17	294	4
29) Diseases of Heart	390-398,402,404-429	909	810	99	54	2	84	7	14	215	4
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2	1	1							
31) Hypertensive Heart Disease	402	15	10	5	1	1	1	1		1	
32) Hypertensive Heart & Renal Disease ..	404										
33) Ischemic Heart Disease	410-414	559	499	60	46	1	44	4	5	117	3
34) Acute Myocardial Infarction	410	252	227	25	16		14		3	64	1
35) Other Ischemic Heart Disease ...	411-414	307	272	35	30	1	30	4	2	53	2
36) Other Diseases of Endocardium	424	15	14	1			5			3	
37) All Other Forms of Heart Disease ..	415-423,425-429	318	286	32	7		34	2	9	94	1
38) Hypertension	401,403	13	11	2	1	1				3	
39) Cerebrovascular Diseases	430-438	224	204	20	14		9	2	3	60	
40) Atherosclerosis	440	31	25	6	2		1			9	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	31	27	4	1		2			7	
42) Acute Bronchitis and Bronchiolitis ...	466	1		1							
43) Pneumonia and Influenza	480-487	122	107	15	3		5		5	35	3
44) Chronic Obstructive Pulmonary Diseases	490-496	89	84	5	6		2		1	20	
45) Ulcer of Stomach and Duodenum	531-533	8	7	1			1			1	
46) Appendicitis	540-543										
47) Hernia & Intestinal Obstruction ..	550-553,560	7	6	1	2					1	
48) Chronic Liver Disease and Cirrhosis ..	571	33	29	4			2			7	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	4	4								
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	33	23	10	3		3		2	8	
51) Infections of Kidney	590	2	2								
52) Hyperplasia of Prostate	600	1	1								
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676										
54) Congenital Anomalies	740-759	12	9	3			1			1	
55) Certain Conditions Originating in the Perinatal Period	760-779	23	13	10			1			3	
56) Symptoms and Ill-Defined Conditions ..	780-799	15	10	5	1					1	1
57) All Other Diseases	Residual	257	224	33	11		15	3	2	56	2
58) Accidents	E800-E949	90	80	10	7		7	1	2	20	1
59) Motor Vehicle Accidents	E810-E825	31	27	4	2		1		1	7	
60) Home Accidents	Home E850-E949	21	18	3	3		2	1		3	1
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	38	35	3	2		4		1	10	
62) Suicide	E950-E959	40	34	6	2		1	1		7	
63) Homicide and Legal Intervention	E960-E978	20	8	12	1					3	
64) Other External Causes	E980-E999	1		1							

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 5
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES								
	Clifton Forge		Covington		Roanoke City		Salem		
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	
ALL CAUSES OF DEATH	76	14	76	16	937	277	253	14	
1) Shigellosis and Amebiasis	004-006								
2) Certain Other Intestinal Infections ..	007-009								
3) Tuberculosis, All Forms	010-018								
4) Whooping Cough	033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035								
6) Meningococcal Infection	036								
7) Septicemia	038		1		11	1	4		
8) Acute Poliomyelitis	045								
9) Measles	055								
10) Viral Hepatitis	070						1		
11) Syphilis	090-097								
12) Other Infectious & Parasitic Diseases Residual of	001-139	1	1		10	2	2		
13) Malignant Neoplasms	140-208	13	4	23	5	199	71	59	4
14) Lip, Oral Cavity, and Pharynx	140-149					2	4		
15) Digestive Organs and Peritoneum	150-159	2	1	7	1	53	18	11	3
16) Respiratory & Intrathoracic Organs .	160-165	5	2	8	2	51	20	15	1
17) Breast	174-175			1		12	6	6	
18) Genital Organs	179-187	2		3	2	19	11	7	
19) Urinary Organs	188-189			1		8	2	2	
20) Other & Unspecified Sites ..	170-173,190-199	3		2		31	6	5	
21) Leukemia	204-208	1				7	1	7	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203		1			16	3	6	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239			1			3	1	
24) Diabetes Mellitus	250		2			13	7	7	
25) Nutritional Deficiencies	260-269	1		1		2			
26) Anemias	280-285					1	1	1	
27) Meningitis	320-322								
28) Major Cardiovascular Diseases	390-448	37	4	31	7	424	97	106	7
29) Diseases of Heart	390-398,402,404-429	31	4	19	5	313	74	80	3
30) Rheumatic Fever and Rheumatic Heart Disease	390-398					1	1		
31) Hypertensive Heart Disease	402					7	3		
32) Hypertensive Heart & Renal Disease	404								
33) Ischemic Heart Disease	410-414	24	4	17	4	199	41	47	3
34) Acute Myocardial Infarction	410	7	3	9	2	86	17	28	2
35) Other Ischemic Heart Disease ...	411-414	17	1	8	2	113	24	19	1
36) Other Diseases of Endocardium	424					6	1		
37) All Other Forms of Heart Disease	415-423,425-429	7		2	1	100	28	33	
38) Hypertension	401,403	1		2		2	1	2	
39) Cerebrovascular Diseases	430-438	5		8	1	86	16	19	1
40) Atherosclerosis	440			1	1	9	2	3	3
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448			1		14	4	2	
42) Acute Bronchitis and Bronchiolitis ...	466						1		
43) Pneumonia and Influenza	480-487	3	1	2		41	9	13	2
44) Chronic Obstructive Pulmonary Diseases	490-496	2		2		40	5	11	
45) Ulcer of Stomach and Duodenum	531-533		1	1		3		1	
46) Appendicitis	540-543								
47) Hernia & Intestinal Obstruction ..	550-553,560					3	1		
48) Chronic Liver Disease and Cirrhosis ..	571			1		16	4	3	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575			1		3			
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589		1	2		5	8		1
51) Infections of Kidney	590	1				1			
52) Hyperplasia of Prostate	600			1					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676								
54) Congenital Anomalies	740-759	2			1	5	2		
55) Certain Conditions Originating in the Perinatal Period	760-779			1	1	8	9		
56) Symptoms and Ill-Defined Conditions ..	780-799	1		1		5	4	1	
57) All Other Diseases	Residual	10		6	1	87	27	37	
58) Accidents	E800-E949	3		1		38	8	2	
59) Motor Vehicle Accidents	E810-E825	2				13	4	1	
60) Home Accidents	Home E850-E949					10	1		
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	1		1		15	3	1	
62) Suicide	E950-E959	2	1			19	4	3	
63) Homicide and Legal Intervention	E960-E978					3	12	1	
64) Other External Causes	E980-E999						1		

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 6
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES							
	TOTAL			Augusta		Bath		Highland		Rockbridge	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,002	1,898	104	378	16	55		46		180	7
1) Shigellosis and Amebiasis	004-006										
2) Certain Other Intestinal Infections ..	007-009										
3) Tuberculosis, All Forms	010-018	2	1	1							
4) Whooping Cough	033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035										
6) Meningococcal Infection	036	1	1								
7) Septicemia	038	24	23	1	4			2		3	
8) Acute Poliomyelitis	045										
9) Measles	055										
10) Viral Hepatitis	070										
11) Syphilis	090-097										
12) Other Infectious & Parasitic Diseases Residual of	001-139	4	4	1							
13) Malignant Neoplasms	140-208	477	453	24	86	5	17	10		41	4
14) Lip, Oral Cavity, and Pharynx	140-149	8	8				1	1			
15) Digestive Organs and Peritoneum	150-159	100	96	4	20	1	6	3		10	
16) Respiratory & Intrathoracic Organs ..	160-165	143	132	11	26	1	4	2		13	2
17) Breast	174-175	38	38		6		2			1	
18) Genital Organs	179-187	58	53	5	13	1	2			4	2
19) Urinary Organs	188-189	17	16	1	1			2		2	
20) Other & Unspecified Sites ..	170-173, 190-199	70	67	3	11	2	2	1		7	
21) Leukemia	204-208	17	17		5					1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	26	26		4			1		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	1		1							
24) Diabetes Mellitus	250	28	26	2	4		1			2	
25) Nutritional Deficiencies	260-269	1	1								
26) Anemias	280-285	2	2							1	
27) Meningitis	320-322										
28) Major Cardiovascular Diseases	390-448	913	868	45	182	7	22	18		80	2
29) Diseases of Heart	390-398, 402, 404-429	708	679	29	148	4	20	16		66	1
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2	2								
31) Hypertensive Heart Disease	402	8	8				1			2	
32) Hypertensive Heart & Renal Disease ..	404	1		1							
33) Ischemic Heart Disease	410-414	472	452	20	104	3	13	13		47	1
34) Acute Myocardial Infarction	410	308	298	10	74	1	8	8		33	1
35) Other Ischemic Heart Disease ...	411-414	164	154	10	30	2	5	5		14	
36) Other Diseases of Endocardium	424	9	8	1	2					2	
37) All Other Forms of Heart Disease	415-423, 425-429	216	209	7	42	1	6	3		15	
38) Hypertension	401, 403	5	4	1		1					
39) Cerebrovascular Diseases	430-438	163	149	14	30	2	2	1		12	1
40) Atherosclerosis	440	16	15	1	2					1	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	21	21		2			1		1	
42) Acute Bronchitis and Bronchiolitis ...	466										
43) Pneumonia and Influenza	480-487	77	77		18		2	4		5	
44) Chronic Obstructive Pulmonary Diseases	490-496	61	57	4	9	1	1	1		8	
45) Ulcer of Stomach and Duodenum	531-533	3	3					1			
46) Appendicitis	540-543	1	1							1	
47) Hernia & Intestinal Obstruction ..	550-553, 560	8	7	1	3						
48) Chronic Liver Disease and Cirrhosis ..	571	23	20	3	5	1				3	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3	3							1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	18	17	1	4	1	1			1	
51) Infections of Kidney	590										
52) Hyperplasia of Prostate	600										
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676										
54) Congenital Anomalies	740-759	11	11		4		1			1	
55) Certain Conditions Originating in the Perinatal Period	760-779	5	4	1	1						
56) Symptoms and Ill-Defined Conditions ..	780-799	24	22	2	3		1			2	
57) All Other Diseases	Residual	174	161	13	26	1	5	4		18	
58) Accidents	E800-E949	101	97	4	22		3	5		7	1
59) Motor Vehicle Accidents	E810-E825	54	51	3	13		3	4		4	
60) Home Accidents	Home E850-E949	19	19		5			1		1	
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	28	27	1	4					2	1
62) Suicide	E950-E959	27	26	1	4		1	1		4	
63) Homicide and Legal Intervention	E960-E978	13	13		2					2	
64) Other External Causes	E980-E999										

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 6
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES											
	Rockingham		Buena Vista		Harrisonburg		Lexington		Staunton		Waynesboro	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	464	11	63	3	211	13	47	8	262	28	192	18
1) Shigellosis and Amebiasis 004-006												
2) Certain Other Intestinal Infections .. 007-009												
3) Tuberculosis, All Forms 010-018		1			1							
4) Whooping Cough 033												
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035												
6) Meningococcal Infection 036					1							
7) Septicemia 038	1		1		4		4		2	1	2	
8) Acute Poliomyelitis 045												
9) Measles 055												
10) Viral Hepatitis 070												
11) Syphilis 090-097												
12) Other Infectious & Parasitic Diseases Residual of 001-139	2										1	
13) Malignant Neoplasms 140-208	114	2	15		41	2	8	1	68	8	53	2
14) Lip, Oral Cavity, and Pharynx 140-149	2		2		1						1	
15) Digestive Organs and Peritoneum 150-159	20	1	1		11		3		10	1	12	1
16) Respiratory & Intrathoracic Organs . 160-165	32	1	5		13	1	3	1	20	4	14	1
17) Breast 174-175	11		3		2		1		8		4	
18) Genital Organs 179-187	10				6		1		8	2	9	
19) Urinary Organs 188-189	4								4	1	3	
20) Other & Unspecified Sites .. 170-173,190-199	25		3		6	1			7		5	
21) Leukemia 204-208	4				1				4		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	6		1		1				7		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239									2	1		
24) Diabetes Mellitus 250	8		1		1		1		1		6	2
25) Nutritional Deficiencies 260-269												
26) Anemias 280-285					1							
27) Meningitis 320-322												
28) Major Cardiovascular Diseases 390-448	202	5	31	2	101	7	19	3	123	11	88	8
29) Diseases of Heart 390-398,402,404-429	152	4	21	1	72	2	15	2	99	7	70	4
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1								1			
31) Hypertensive Heart Disease 402	4										1	
32) Hypertensive Heart & Renal Disease 404		1										
33) Ischemic Heart Disease 410-414	92	2	12	1	38	1	11	2	63	4	59	6
34) Acute Myocardial Infarction 410	70	1	7		28		4		36	2	30	5
35) Other Ischemic Heart Disease ... 411-414	22	1	5	1	10	1	7	2	27	2	29	1
36) Other Diseases of Endocardium 424	3								1	1		
37) All Other Forms of Heart Disease 415-423,425-429	52	1	9		34	1	4	1	34	2	10	1
38) Hypertension 401,403	1				3							
39) Cerebrovascular Diseases 430-438	40	1	8	1	20	5	3		17	3	16	1
40) Atherosclerosis 440	4		1		3				4	1		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	5		3		3		1		3		2	
42) Acute Bronchitis and Bronchiolitis ... 466												
43) Pneumonia and Influenza 480-487	18		2		15		2		9		2	
44) Chronic Obstructive Pulmonary Diseases 490-496	17		1		4	1	2		9	1	5	1
45) Ulcer of Stomach and Duodenum 531-533							1				1	
46) Appendicitis 540-543												
47) Hernia & Intestinal Obstruction .. 550-553,560	3				1			1				
48) Chronic Liver Disease and Cirrhosis .. 571	7	1	2		1	1			1		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1						1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	2				2				3		4	
51) Infections of Kidney 590												
52) Hyperplasia of Prostate 600												
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676												
54) Congenital Anomalies 740-759	3				1						1	
55) Certain Conditions Originating in the Perinatal Period 760-779					2				1	1		
56) Symptoms and Ill-Defined Conditions .. 780-799	6	1	1		4			1	4		1	
57) All Other Diseases Residual	41		3		20	1	5	2	26	4	13	5
58) Accidents E800-E949	28	1	4	1	8	1	3		9		8	
59) Motor Vehicle Accidents E810-E825	15	1	3	1	1	1	1		3		4	
60) Home Accidents Home E850-E949	6				2		1		1		2	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	7		1		5		1		5		2	
62) Suicide E950-E959	4				3				4	1	5	
63) Homicide and Legal Intervention E960-E970	7						1				1	
64) Other External Causes E980-E999												

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 7
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITY					
	TOTAL			Clarke		Frederick		Page	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,448	1,387	61	112	13	278	1	198	3
1) Shigellosis and Amebiasis	004-006								
2) Certain Other Intestinal Infections ..	007-009								
3) Tuberculosis, All Forms	010-018								
4) Whooping Cough	033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035								
6) Meningococcal Infection	036								
7) Septicemia	038	8	8			1		1	
8) Acute Poliomyelitis	045								
9) Measles	055								
10) Viral Hepatitis	070	1	1						
11) Syphilis	090-097								
12) Other Infectious & Parasitic Diseases Residual of 001-139		5	5			2		1	
13) Malignant Neoplasms	140-208	326	312	14	19	3	70	44	1
14) Lip, Oral Cavity, and Pharynx	140-149	3	2	1		1			
15) Digestive Organs and Peritoneum	150-159	70	63	7	3	10		4	1
16) Respiratory & Intrathoracic Organs ..	160-165	109	106	3	3	1	33	15	
17) Breast	174-175	13	13				2	2	
18) Genital Organs	179-187	32	32	8		2		6	
19) Urinary Organs	188-189	13	13			4		1	
20) Other & Unspecified Sites .. 170-173,190-199		46	46	1		10		12	
21) Leukemia	204-208	13	13	1		3		1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	27	24	3	1	5		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	6	6						
24) Diabetes Mellitus	250	18	18	2		3		4	
25) Nutritional Deficiencies	260-269	2	2						
26) Anemias	280-285	1	1						
27) Meningitis	320-322	1	1						
28) Major Cardiovascular Diseases	390-448	719	711	28	63	4	133	1	112
29) Diseases of Heart	390-398,402,404-429	618	594	24	51	4	112	1	97
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	4	4		2				
31) Hypertensive Heart Disease	402	13	12	1	2		1	1	
32) Hypertensive Heart & Renal Disease ..	404	2	1	1			1		
33) Ischemic Heart Disease	410-414	336	326	10	23	1	70	1	60
34) Acute Myocardial Infarction	410	165	161	4	8		27	41	1
35) Other Ischemic Heart Disease ...	411-414	171	165	6	15	1	43	1	19
36) Other Diseases of Endocardium	424	23	23				4	2	
37) All Other Forms of Heart Disease 415-423,425-429		240	228	12	24	3	36	34	1
38) Hypertension	401,403	8	7	1	1		3		
39) Cerebrovascular Diseases	430-438	86	84	2	10		15	15	
40) Atherosclerosis	440	8	8						
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	19	18	1	1		3		
42) Acute Bronchitis and Bronchiolitis ...	466								
43) Pneumonia and Influenza	480-487	38	35	3	4		3	2	
44) Chronic Obstructive Pulmonary Diseases	490-496	43	43		6		9	3	
45) Ulcer of Stomach and Duodenum	531-533	2	2					1	
46) Appendicitis	540-543	1	1						
47) Hernia & Intestinal Obstruction ..	550-553,560	4	4		2				
48) Chronic Liver Disease and Cirrhosis ..	571	15	12	3	1		2	1	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3	3		2				
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	15	12	3		1	3	2	
51) Infections of Kidney	590								
52) Hyperplasia of Prostate	600	1	1		1				
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676								
54) Congenital Anomalies	740-759	6	5	1		1			
55) Certain Conditions Originating in the Perinatal Period	760-779	8	7	1	1			1	
56) Symptoms and Ill-Defined Conditions ..	780-799	17	16	1	1		4	2	
57) All Other Diseases	Residual	100	97	3	8	2	22	13	
58) Accidents	E800-E949	59	58	1	2	1	22	8	
59) Motor Vehicle Accidents	E810-E825	35	35				14	6	
60) Home Accidents	Home E850-E949	9	9		1		4		
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	15	14	1	1	1	4	2	
62) Suicide	E950-E959	19	19		1		3		
63) Homicide and Legal Intervention	E960-E978	5	4	1				2	
64) Other External Causes	E980-E999	5	4	1			1	1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 7
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Shenandoah		Warren		Winchester	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	326	8	229	16	244	20
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009					
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	2			4	
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070		1			
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of	001-139		2			
13) Malignant Neoplasms	140-208	72	1	47	1	60
14) Lip, Oral Cavity, and Pharynx	140-149					8
15) Digestive Organs and Peritoneum	150-159	19		14	1	13
16) Respiratory & Intrathoracic Organs ..	160-165	19		16		20
17) Breast	174-175	5		1		3
18) Genital Organs	179-187	9		5		2
19) Urinary Organs	188-189	4		1		3
20) Other & Unspecified Sites ..	170-173, 190-199	9		5		9
21) Leukemia	204-208	3		2		3
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	4	1	3		6
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	4		2		
24) Diabetes Mellitus	250	8		1		
25) Nutritional Deficiencies	260-269	1				1
26) Anemias	280-285					1
27) Meningitis	320-322			1		
28) Major Cardiovascular Diseases	390-448	157	5	121	9	125
29) Diseases of Heart	390-398, 402, 404-429	117	1	104	8	113
30) Rheumatic Fever and Rheumatic Heart Disease	390-398			2		
31) Hypertensive Heart Disease	402	2		1	1	5
32) Hypertensive Heart & Renal Disease	404					1
33) Ischemic Heart Disease	410-414	61	1	64	6	48
34) Acute Myocardial Infarction	410	41		21	3	23
35) Other Ischemic Heart Disease ...	411-414	20	1	43	3	25
36) Other Diseases of Endocardium	424	10		3		4
37) All Other Forms of Heart Disease	415-423, 425-429	44	2	34	1	56
38) Hypertension	401, 403	2	1			1
39) Cerebrovascular Diseases	430-438	22		14	1	8
40) Atherosclerosis	440	8				
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	8	1	3		3
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	12		8	1	6
44) Chronic Obstructive Pulmonary Diseases	490-496	8		9		8
45) Ulcer of Stomach and Duodenum	531-533			1		
46) Appendicitis	540-543					1
47) Hernia & Intestinal Obstruction ..	550-553, 560	1				1
48) Chronic Liver Disease and Cirrhosis ..	571	2	1	3	2	3
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	1				
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	2		3	1	2
51) Infections of Kidney	590					
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759	1		2		2
55) Certain Conditions Originating in the Perinatal Period	760-779	2		1		2
56) Symptoms and Ill-Defined Conditions ..	780-799	6		2		1
57) All Other Diseases	Residual	21	1	14		19
58) Accidents	E800-E949	15		7		4
59) Motor Vehicle Accidents	E810-E825	8		6		1
60) Home Accidents	Home E850-E949	2				2
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	5		1		1
62) Suicide	E950-E959	8		4		3
63) Homicide and Legal Intervention	E960-E978	2			1	
64) Other External Causes	E980-E999	1			1	1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 8
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES							
	TOTAL			Arlington		Fairfax		Loudoun		Prince William	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	6,467	5,679	788	1,016	142	2,771	270	361	50	604	99
1) Shigellosis and Amebiasis 004-006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	4	3	1			1	1			1	
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	70	59	11	12	2	26	6	3		5	2
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	8	8		1		4					
11) Syphilis 090-097	1	1								1	
12) Other Infectious & Parasitic Diseases Residual of 001-139	117	95	22	31	6	38	8	1		2	
13) Malignant Neoplasms 140-208	1,789	1,581	208	272	38	815	70	104	8	167	28
14) Lip, Oral Cavity, and Pharynx 140-149	27	25	2	5	1	12	1			2	
15) Digestive Organs and Peritoneum 150-159	375	318	57	65	15	164	17	14	2	31	3
16) Respiratory & Intrathoracic Organs . 160-165	519	467	52	68	7	239	19	38	2	56	8
17) Breast 174-175	192	179	13	24	2	97	5	15	2	20	2
18) Genital Organs 179-187	199	173	26	28	6	88	8	14		14	3
19) Urinary Organs 188-189	58	52	6	14	1	22	3			5	1
20) Other & Unspecified Sites .. 170-173, 190-199	243	209	34	35	3	115	11	11	2	21	9
21) Leukemia 204-208	75	65	10	12	2	31	4	6		9	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	101	93	8	21	1	47	2	6		9	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	25	21	4	2		15	1			1	1
24) Diabetes Mellitus 250	101	77	24	19	8	30	9	7	2	9	1
25) Nutritional Deficiencies 260-269	5	5				2		1		1	
26) Anemias 280-285	11	9	2		1	6		1		1	
27) Meningitis 320-322	2	1	1	1							
28) Major Cardiovascular Diseases 390-448	2,453	2,200	253	424	47	1,020	74	133	26	239	27
29) Diseases of Heart 390-398, 402, 404-429	1,884	1,681	203	317	34	784	60	101	23	188	23
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	16	14	2	3		3	2	2		3	
31) Hypertensive Heart Disease 402	47	38	9	8	4	14	3	1	2	4	
32) Hypertensive Heart & Renal Disease . 404	7	6	1	2		2			1	2	
33) Ischemic Heart Disease 410-414	1,051	952	99	191	24	429	28	58	14	112	14
34) Acute Myocardial Infarction 410	423	382	41	70	7	173	12	21	7	42	6
35) Other Ischemic Heart Disease 411-414	628	570	58	121	17	256	16	37	7	70	8
36) Other Diseases of Endocardium 424	27	26	1	8		10	1	1		3	
37) All Other Forms of Heart Disease 415-423, 425-429	736	645	91	105	6	326	26	39	6	64	9
38) Hypertension 401, 403	19	16	3	4	2	7	1	1			
39) Cerebrovascular Diseases 430-438	420	382	38	84	9	163	9	22	2	42	3
40) Atherosclerosis 440	65	62	3	8	1	32	1	5		5	1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	65	59	6	11	1	34	3	4	1	4	
42) Acute Bronchitis and Bronchiolitis ... 466	2	2		2							
43) Pneumonia and Influenza 480-487	195	178	17	34	3	88	6	14	2	5	3
44) Chronic Obstructive Pulmonary Diseases 490-496	220	203	17	32	1	93	10	13		22	3
45) Ulcer of Stomach and Duodenum 531-533	15	14	1	4	1	8		1			
46) Appendicitis 540-543	1	1				1					
47) Hernia & Intestinal Obstruction .. 550-553, 560	9	7	2	1		3	1				1
48) Chronic Liver Disease and Cirrhosis .. 571	89	82	7	10	1	42	2	4		10	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	10	9	1	2		4		2			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	73	60	13	9	3	31	3	3	2	6	1
51) Infections of Kidney 590	6	6				4				1	
52) Hyperplasia of Prostate 600	2	2		1		1					
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	63	55	8	5		28	6	3		13	2
55) Certain Conditions Originating in the Perinatal Period 760-779	97	64	33	10	6	39	10			6	3
56) Symptoms and Ill-Defined Conditions .. 780-799	70	54	16	9	2	31	5	4		4	3
57) All Other Diseases Residual	308	452	56	75	11	227	21	30	4	38	4
58) Accidents E800-E949	304	260	44	42	10	117	14	29	4	44	10
59) Motor Vehicle Accidents E810-E825	175	141	34	15	8	60	11	19	3	32	7
60) Home Accidents Home E850-E949	46	44	2	9	1	21		5		3	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	83	75	8	18	1	36	3	5	1	9	3
62) Suicide E950-E959	144	126	18	13	2	72	6	7	2	22	6
63) Homicide and Legal Intervention E960-E978	62	35	27	3		21	16			4	2
64) Other External Causes E980-E999	11	9	2	2		4	1	1		2	1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 8
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES									
	Alexandria		Fairfax City		Falls Church		Manassas		Manassas Park	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	614	194	104	14	69	6	111	11	29	2
1) Shigellosis and Amebiasis 004-006										
2) Certain Other Intestinal Infections .. 007-009										
3) Tuberculosis, All Forms 010-018	1									
4) Whooping Cough 033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035										
6) Meningococcal Infection 036										
7) Septicemia 038	12						1	1		
8) Acute Poliomyelitis 045										
9) Measles 055										
10) Viral Hepatitis 070	2		1							
11) Syphilis 090-097										
12) Other Infectious & Parasitic Diseases Residual of 001-139	22	6		1	1	1				
13) Malignant Neoplasms 140-208	150	54	24	1	14	3	29	5	6	1
14) Lip, Oral Cavity, and Pharynx 140-149	5		1							
15) Digestive Organs and Peritoneum 150-159	31	20	4		4		5			
16) Respiratory & Intrathoracic Organs . 160-165	43	12	7	1	3	1	9	2	4	
17) Breast 174-175	17	2	3		1		2			
18) Genital Organs 179-187	18	7	4		3		4	1		1
19) Urinary Organs 188-189	7	1	3				1			
20) Other & Unspecified Sites .. 170-173, 190-199	19	6	1		2	1	5	2		
21) Leukemia 204-208	6	3							1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	4	3	1		1	1	3		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	2	2	1							
24) Diabetes Mellitus 250	9	4					2		1	
25) Nutritional Deficiencies 260-269	1									
26) Anemias 280-285	1	1								
27) Meningitis 320-322						1				
28) Major Cardiovascular Diseases 390-448	252	67	47	9	34	1	40	2	11	
29) Diseases of Heart 390-398, 402, 404-429	195	52	33	8	25	1	30	2	8	
30) Rheumatic Heart Disease 390-398	2		1							
31) Hypertensive Heart Disease 402	9				1		1			
32) Hypertensive Heart & Renal Disease . 404										
33) Ischemic Heart Disease 410-414	103	16	23	2	12		17	1	7	
34) Acute Myocardial Infarction 410	51	7	8	1	6		9	1	2	
35) Other Ischemic Heart Disease ... 411-414	52	9	15	1	6		8		5	
36) Other Diseases of Endocardium 424	3				1					
37) All Other Forms of Heart Disease 415-423, 425-429	78	36	9	6	11	1	12	1	1	
38) Hypertension 401, 403	4									
39) Cerebrovascular Diseases 430-438	40	14	11	1	8		10		2	
40) Atherosclerosis 440	10		1		1					
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	3	1	2						1	
42) Acute Bronchitis and Bronchiolitis ... 466										
43) Pneumonia and Influenza 480-487	24	3	1		4		8			
44) Chronic Obstructive Pulmonary Diseases 490-496	21	3	8		5		5		4	
45) Ulcer of Stomach and Duodenum 531-533	1									
46) Appendicitis 540-543										
47) Hernia & Intestinal Obstruction .. 550-553, 560	1		1				1			
48) Chronic Liver Disease and Cirrhosis .. 571	13	3	1				2			
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1								
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	5	4			2		2		2	
51) Infections of Kidney 590	1									
52) Hyperplasia of Prostate 600										
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676										
54) Congenital Anomalies 740-759	3						3			
55) Certain Conditions Originating in the Perinatal Period 760-779	5	11	2				2	2		1
56) Symptoms and Ill-Defined Conditions .. 780-799	5	5		1			1			
57) All Other Diseases Residual	58	14	10	2	6		6		2	
58) Accidents E800-E849	13	5	4		2		7	1	2	
59) Motor Vehicle Accidents E810-E825	5	4	3				5	1	2	
60) Home Accidents Home E850-E849	4	1	1		1					
61) All Other Accidents E800-E807, E826-E849, Other E850-E849	4				1		2			
62) Suicide E950-E959	8	2	1		1		2			
63) Homicide and Legal Intervention E960-E978	3	9	3						1	
64) Other External Causes E980-E999										

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 9
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES			
	Total	White	Nonwh	Culpeper White	Nonwh	Fauquier White	Nonwh
ALL CAUSES OF DEATH	964	811	153	228	49	293	56
1) Shigellosis and Amebiasis	004-006						
2) Certain Other Intestinal Infections ..	007-009	1	1				
3) Tuberculosis, All Forms	010-018						
4) Whooping Cough	033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035						
6) Meningococcal Infection	036						
7) Septicemia	038	17	14	3		5	3
8) Acute Poliomyelitis	045						
9) Measles	055						
10) Viral Hepatitis	070						
11) Syphilis	090-097						
12) Other Infectious & Parasitic Diseases Residual of 001-139		7	6	1		2	1
13) Malignant Neoplasms	140-208	223	196	27	49	73	14
14) Lip, Oral Cavity, and Pharynx	140-149	4	4		1	2	
15) Digestive Organs and Peritoneum	150-159	50	44	6	14	18	4
16) Respiratory & Intrathoracic Organs ..	160-165	62	53	9	8	22	5
17) Breast	174-175	17	15	2	5	6	1
18) Genital Organs	179-187	24	21	3	2	8	2
19) Urinary Organs	188-189	11	9	2	4	2	1
20) Other & Unspecified Sites .. 170-173, 190-199		33	30	3	12	6	1
21) Leukemia	204-208	10	9	1	1	5	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	12	11	1	2	4	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	3	3		2		
24) Diabetes Mellitus	250	13	7	6	2	2	
25) Nutritional Deficiencies	260-269	4	4		2		
26) Anemias	280-285	1	1				
27) Meningitis	320-322						
28) Major Cardiovascular Diseases	390-448	402	338	64	96	125	26
29) Diseases of Heart	390-398, 402, 404-429	305	260	45	62	104	22
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	4	3	1	1	1	1
31) Hypertensive Heart Disease	402	5	3	2		1	
32) Hypertensive Heart & Renal Disease ..	404						
33) Ischemic Heart Disease	410-414	177	154	23	37	61	11
34) Acute Myocardial Infarction	410	100	89	11	20	33	4
35) Other Ischemic Heart Disease	411-414	77	65	12	17	28	7
36) Other Diseases of Endocardium	424	4	4			2	
37) All Other Forms of Heart Disease 415-423, 425-429		115	96	19	24	39	10
38) Hypertension	401, 403	3		3	2		
39) Cerebrovascular Diseases	430-438	74	63	11	24	17	2
40) Atherosclerosis	440	11	7	4	6	1	2
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	9	8	1	4	3	
42) Acute Bronchitis and Bronchiolitis ...	466						
43) Pneumonia and Influenza	480-487	26	20	6	8	8	2
44) Chronic Obstructive Pulmonary Diseases	490-496	30	26	4	12	10	
45) Ulcer of Stomach and Duodenum	531-533	4	4		1	2	
46) Appendicitis	540-543						
47) Hernia & Intestinal Obstruction ..	550-553, 560	4	4		1	1	
48) Chronic Liver Disease and Cirrhosis ..	571	3	2	1		2	1
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	1	1			1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	11	8	3	4	2	1
51) Infections of Kidney	590	1	1		1		
52) Hyperplasia of Prostate	600						
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676						
54) Congenital Anomalies	740-759	5	4	1	1	3	
55) Certain Conditions Originating in the Perinatal Period	760-779	6	3	3	2	1	1
56) Symptoms and Ill-Defined Conditions ..	780-799	15	13	2	4	6	1
57) All Other Diseases	Residual	98	74	14	25	7	4
58) Accidents	E800-E949	73	56	17	11	7	2
59) Motor Vehicle Accidents	E810-E825	39	30	9	4	5	13
60) Home Accidents	Home E850-E949	18	14	4	5	1	
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	16	12	4	2	2	8
62) Suicide	E950-E959	20	20		2		12
63) Homicide and Legal Intervention	E960-E970	5	4	1	1		
64) Other External Causes	E980-E999	1	1			1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 9
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES					
	Madison		Orange		Rappahannock	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	82	16	166	25	42	7
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009		1			
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	1	4		1	
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070					
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of	001-139	1	2			
13) Malignant Neoplasms	140-208	17	52	5	5	2
14) Lip, Oral Cavity, and Pharynx	140-149		1			
15) Digestive Organs and Peritoneum	150-159	4	7	1	1	
16) Respiratory & Intrathoracic Organs ..	160-165	2	20	1		1
17) Breast	174-175		3		1	
18) Genital Organs	179-187	5	6			1
19) Urinary Organs	188-189		2		1	
20) Other & Unspecified Sites ..	170-173, 190-199	2	10	1		
21) Leukemia	204-208	2	1	1		
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	2	2	1	1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239		1			
24) Diabetes Mellitus	250	2	1	1		
25) Nutritional Deficiencies	260-269		2			
26) Anemias	280-285	1				
27) Meningitis	320-322					
28) Major Cardiovascular Diseases	390-448	41	61	9	15	1
29) Diseases of Heart	390-398, 402, 404-429	35	50	5	9	1
30) Rheumatic Fever and Rheumatic Heart Disease	390-398		1			
31) Hypertensive Heart Disease	402	1	2	1		
32) Hypertensive Heart & Renal Disease ..	404					
33) Ischemic Heart Disease	410-414	23	27	2	6	1
34) Acute Myocardial Infarction	410	16	19		1	
35) Other Ischemic Heart Disease ...	411-414	7	8	2	5	1
36) Other Diseases of Endocardium	424	1	1			
37) All Other Forms of Heart Disease	415-423, 425-429	11	19	2	3	
38) Hypertension	401, 403			1		
39) Cerebrovascular Diseases	430-438	6	11	3	5	
40) Atherosclerosis	440		1			
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448				1	
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	1	2	1	1	1
44) Chronic Obstructive Pulmonary Diseases	490-496		3	1	1	
45) Ulcer of Stomach and Duodenum	531-533		1			
46) Appendicitis	540-543					
47) Hernia & Intestinal Obstruction ..	550-553, 560		1		1	
48) Chronic Liver Disease and Cirrhosis ..	571					
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575					
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	2	1		1	
51) Infections of Kidney	590					
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759					1
55) Certain Conditions Originating in the Perinatal Period	760-779	1		1		
56) Symptoms and Ill-Defined Conditions ..	780-799	3		1		
57) All Other Diseases	Residual	4	20	2	7	1
58) Accidents	E800-E849	5	11	4	7	1
59) Motor Vehicle Accidents	E810-E825	2	7	2	4	1
60) Home Accidents	Home E850-E849	1	4	2	3	
61) All Other Accidents	E800-E807, E826-E849, Other E850-E849	2				
62) Suicide	E950-E959	1	3		2	
63) Homicide and Legal Intervention	E960-E978	2			1	
64) Other External Causes	E980-E999					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 10
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITY					
	Total	White	Nonwh	Albemarle White	Nonwh	Fluvanna White	Nonwh	Greene White	Nonwh
ALL CAUSES OF DEATH	1,293	994	299	329	57	65	39	68	4
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018									
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	21	15	6	3	1				
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139	11	8	3	4					
13) Malignant Neoplasms 140-208	307	243	64	76	15	20	7	16	
14) Lip, Oral Cavity, and Pharynx 140-149	3	2	1						
15) Digestive Organs and Peritoneum 150-159	79	62	17	21	7	3	2	4	
16) Respiratory & Intrathoracic Organs . 160-165	88	74	14	19	2	9	2	4	
17) Breast 174-175	30	23	7	8	1	1	1	3	
18) Genital Organs 179-187	31	20	11	7	3	4	1	1	
19) Urinary Organs 188-189	6	5	1	2		1		1	
20) Other & Unspecified Sites .. 170-173, 190-199	48	38	10	14	1	1	1	1	
21) Leukemia 204-208	5	5		2				1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	17	14	3	3	1	1		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	3	3		1					
24) Diabetes Mellitus 250	21	15	6	8		1	1	1	
25) Nutritional Deficiencies 260-269	2	2		2					
26) Anemias 280-285	3	3				1			
27) Meningitis 320-322	1	1				1			
28) Major Cardiovascular Diseases 390-448	563	428	135	143	23	26	17	33	2
29) Diseases of Heart 390-398, 402, 404-429	420	320	100	106	18	17	14	28	1
30) Rheumatic Heart Disease 390-398	1	1				1			
31) Hypertensive Heart Disease 402	8	6	2	1			1		
32) Hypertensive Heart & Renal Disease . 404	3	1	2	1	1				
33) Ischemic Heart Disease 410-414	258	203	55	69	13	8	5	19	1
34) Acute Myocardial Infarction 410	147	115	32	40	6	6	1	8	1
35) Other Ischemic Heart Disease ... 411-414	111	88	23	29	7	2	4	11	
36) Other Diseases of Endocardium 424	14	12	2	4		1	1		
37) All Other Forms of Heart Disease . 415-423, 425-429	136	97	39	31	4	7	7	9	
38) Hypertension 401, 403	3	1	2						
39) Cerebrovascular Diseases 430-438	109	86	23	30	4	6	1	5	1
40) Atherosclerosis 440	19	10	9	4			2		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	12	11	1	3	1	3			
42) Acute Bronchitis and Bronchiolitis ... 466									
43) Pneumonia and Influenza 480-487	34	28	6	13	1	2			
44) Chronic Obstructive Pulmonary Diseases 490-496	50	45	5	12	1	5	2	2	
45) Ulcer of Stomach and Duodenum 531-533	6	6		2					
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553, 560	4	3	1				1		
48) Chronic Liver Disease and Cirrhosis .. 571	14	12	2	1	1	2	1	1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1		1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	14	7	7	4	2				
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600	2		2						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	4	2	2	1			1	1	
55) Certain Conditions Originating in the Perinatal Period 760-779	11	5	6	2					
56) Symptoms and Ill-Defined Conditions .. 780-799	13	12	1	5			1	1	
57) All Other Diseases Residual	115	80	35	27	9		3	5	2
58) Accidents E800-E949	61	49	12	17	2	5	5	5	
59) Motor Vehicle Accidents E810-E825	37	30	7	11		3	5	3	
60) Home Accidents Home E850-E949	11	8	3	3	1			1	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	13	11	2	3	1	2		1	
62) Suicide E950-E959	19	18	1	4	1	2		2	
63) Homicide and Legal Intervention E960-E978	13	8	5	3	1			1	
64) Other External Causes E980-E999									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 10
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Louisa		Nelson		Charlottesville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	135	65	104	33	293	101
1) Shigellosis and Amebiasis 004-006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	2	1	2	1	8	3
8) Acute Policymyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases Residual of 001-139		1			4	2
13) Malignant Neoplasms 140-208	27	14	24	5	80	23
14) Lip, Oral Cavity, and Pharynx 140-149	1	1			1	
15) Digestive Organs and Peritoneum 150-159	6	2	7	3	21	3
16) Respiratory & Intrathoracic Organs .. 160-165	14	3	6	2	22	5
17) Breast 174-175	1	2	2		8	3
18) Genital Organs 179-187	1	1	3		4	6
19) Urinary Organs 188-189	1	1				
20) Other & Unspecified Sites .. 170-173, 190-199	1	3	4		17	5
21) Leukemia 204-208					2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	2	1	2		5	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1				1	
24) Diabetes Mellitus 250	1	2		1	4	2
25) Nutritional Deficiencies 260-269						
26) Anemias 280-285	1				1	
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	59	28	50	16	117	49
29) Diseases of Heart 390-398, 402, 404-429	47	22	39	12	83	32
30) Rheumatic Fever and Rheumatic Heart Disease 390-398						
31) Hypertensive Heart Disease 402	2				3	1
32) Hypertensive Heart & Renal Disease .. 404		1				
33) Ischemic Heart Disease 410-414	31	14	25	8	51	14
34) Acute Myocardial Infarction 410	21	8	16	7	24	9
35) Other Ischemic Heart Disease ... 411-414	10	6	9	1	27	5
36) Other Diseases of Endocardium 424	2		1		4	1
37) All Other Forms of Heart Disease 415-423, 425-429	12	7	13	5	25	16
38) Hypertension 401, 403			1			2
39) Cerebrovascular Diseases 430-438	10	4	8	3	27	10
40) Atherosclerosis 440		2	2		4	5
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	2				3	
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	3	1	3	2	7	2
44) Chronic Obstructive Pulmonary Diseases 490-496	8	1	5	1	13	
45) Ulcer of Stomach and Duodenum 531-533	2				2	
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553, 560	1		1		1	
48) Chronic Liver Disease and Cirrhosis .. 571	2		2		4	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575						
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	2	1		2	1	2
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600		1				1
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759						1
55) Certain Conditions Originating in the Perinatal Period 760-779	1	2			2	4
56) Symptoms and Ill-Defined Conditions .. 780-799	1				5	
57) All Other Diseases Residual	10	9	9	4	29	8
58) Accidents E800-E949	8	2	6		8	2
59) Motor Vehicle Accidents E810-E825	6	1	3		4	1
60) Home Accidents Home E850-E949	1	1	1		2	1
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	1	1	2		2	
62) Suicide E950-E959	4		2		4	
63) Homicide and Legal Intervention E960-E978	2	1		1	2	2
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 11
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES AND CITIES					
	Total	White	Nonwh	Amherst		Appomattox		Bedford	
				White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,977	1,593	384	179	60	99	25	328	46
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-019	1		1				1		
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	19	16	3	1	1			4	2
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139	10	6	4	1				3	
13) Malignant Neoplasms 140-208	423	338	85	43	2	18	4	70	13
14) Lip, Oral Cavity, and Pharynx 140-149	7	5	2	2				2	
15) Digestive Organs and Peritoneum 150-159	102	82	20	4	1	6		21	4
16) Respiratory & Intrathoracic Organs .. 160-165	116	91	25	11	6	5		15	4
17) Breast 174-175	45	34	11	4	1	3		9	2
18) Genital Organs 179-187	48	38	10	6	1	2	1	6	2
19) Urinary Organs 188-189	8	6	2	2					
20) Other & Unspecified Sites .. 170-173, 190-199	57	48	9	10		1	1	12	
21) Leukemia 204-208	18	14	4	2		1	1	3	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	22	20	2	2			1	2	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	5	5		1				1	
24) Diabetes Mellitus 250	30	21	9	2		2	1	7	1
25) Nutritional Deficiencies 260-269	2	1	1						
26) Anemias 280-285	3	2	1						
27) Meningitis 320-322	2		2		1				
28) Major Cardiovascular Diseases 390-448	904	741	163	92	30	47	11	158	14
29) Diseases of Heart 390-398, 402, 404-429	699	570	129	77	26	35	2	128	12
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	3		1					
31) Hypertensive Heart Disease 402	15	13	2	2		1		2	
32) Hypertensive Heart & Renal Disease .. 404	4	1	3						
33) Ischemic Heart Disease 410-414	428	362	66	55	17	26	7	81	5
34) Acute Myocardial Infarction 410	232	197	35	39	11	15	4	58	4
35) Other Ischemic Heart Disease 411-414	196	165	31	16	6	11	3	33	1
36) Other Diseases of Endocardium 424	8	6	2	1				1	
37) All Other Forms of Heart Disease 415-423, 425-429	241	185	56	18	9	8	2	44	7
38) Hypertension 401, 403	7	4	3					1	
39) Cerebrovascular Diseases 430-438	163	136	27	13	3	8	2	23	1
40) Atherosclerosis 440	9	8	1	1	1			3	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	26	23	3	1		4		3	1
42) Acute Bronchitis and Bronchiolitis ... 466									
43) Pneumonia and Influenza 480-487	75	63	12	8	2	4		8	2
44) Chronic Obstructive Pulmonary Diseases 490-496	74	68	6	6		6	1	10	2
45) Ulcer of Stomach and Duodenum 531-533	2	2						1	
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553, 560	4	4		1				2	
48) Chronic Liver Disease and Cirrhosis .. 571	16	10	6			2			
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	5	4	1	1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	14	12	2	1	2				
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	7	7		1		1		1	
55) Certain Conditions Originating in the Perinatal Period 760-779	14	7	7	1				1	
56) Symptoms and Ill-Defined Conditions .. 780-799	27	23	4	2	1		1	7	1
57) All Other Diseases Residual	195	154	41	12	5	10	4	27	6
58) Accidents E800-E949	96	72	24	2	6	5	2	22	4
59) Motor Vehicle Accidents E810-E825	49	36	13	1	2	1	1	12	3
60) Home Accidents Home E850-E949	17	13	4	1		3	1	4	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	30	23	7		4	1		6	1
62) Suicide E950-E959	28	26	2	3		2		5	
63) Homicide and Legal Intervention E960-E978	20	10	10	1	3	2			1
64) Other External Causes E980-E999	1	4						1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 11
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES					
	Campbell		Bedford City		Lynchburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	305	55	106	16	576	182
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009					
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	5	2		4	
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070					
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of	001-139	1			1	4
13) Malignant Neoplasms	140-208	77	13	23	1	45
14) Lip, Oral Cavity, and Pharynx	140-149				107	2
15) Digestive Organs and Peritoneum	150-159	16	1	8	1	13
16) Respiratory & Intrathoracic Organs ..	160-165	22	5	8	30	10
17) Breast	174-175	5	2	2	11	6
18) Genital Organs	179-187	9	3	2	13	3
19) Urinary Organs	188-189	3	1	1		1
20) Other & Unspecified Sites ..	170-173,190-199	12		2	11	8
21) Leukemia	204-208	3			5	2
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	7	1		9	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	1		1	1	
24) Diabetes Mellitus	250	3	1		7	5
25) Nutritional Deficiencies	260-269				1	1
26) Anemias	280-285			1	1	1
27) Meningitis	320-322					1
28) Major Cardiovascular Diseases	390-448	123	25	51	7	76
29) Diseases of Heart	390-398,402,404-429	96	19	36	5	58
30) Rheumatic Fever and Rheumatic Heart Disease	390-398				2	
31) Hypertensive Heart Disease	402	1	1		7	1
32) Hypertensive Heart & Renal Disease ..	404		1		1	2
33) Ischemic Heart Disease	410-414	60	9	19	2	26
34) Acute Myocardial Infarction	410	28	3	11	1	12
35) Other Ischemic Heart Disease ...	411-414	32	6	8	1	14
36) Other Diseases of Endocardium	424			2	1	1
37) All Other Forms of Heart Disease	415-423,425-429	35	8	15	2	28
38) Hypertension	401,403		2		3	1
39) Cerebrovascular Diseases	430-438	21	4	12	2	15
40) Atherosclerosis	440	1		1	2	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	5		2	8	2
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	13	3	3	2	3
44) Chronic Obstructive Pulmonary Diseases	490-496	10		3		3
45) Ulcer of Stomach and Duodenum	531-533			1		
46) Appendicitis	540-543					
47) Hernia & Intestinal Obstruction ..	550-553,560				1	
48) Chronic Liver Disease and Cirrhosis ..	571	4	1		4	5
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575				3	1
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	2		2	7	
51) Infections of Kidney	590					
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759	3			1	
55) Certain Conditions Originating in the Perinatal Period	760-779	3	2		2	5
56) Symptoms and Ill-Defined Conditions ..	780-799	2		6		1
57) All Other Diseases	Residual	29	4	10	3	19
58) Accidents	E800-E949	16	4	2	1	7
59) Motor Vehicle Accidents	E810-E825	9	3	1		4
60) Home Accidents	Home E850-E949	4	1		1	1
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	3		1		2
62) Suicide	E950-E959	10	1			1
63) Homicide and Legal Intervention	E960-E978	3	1	1	1	4
64) Other External Causes	E980-E999					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 12
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES					
	TOTAL			Franklin		Henry		Patrick	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,475	1,863	612	310	39	347	105	187	10
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	2	1	1					1	
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	30	22	8	4	1	7	1	3	2
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070	2	1	1				1		
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139	16	9	7			1	1		
13) Malignant Neoplasms 140-208	532	394	138	68	7	78	19	37	3
14) Lip, Oral Cavity, and Pharynx 140-149	13	9	4	1		1		2	
15) Digestive Organs and Peritoneum 150-159	124	93	31	20	3	15	2	8	3
16) Respiratory & Intrathoracic Organs .. 160-165	166	121	45	15	2	22	5	15	
17) Breast 174-175	42	27	15	6		8		1	
18) Genital Organs 179-187	72	50	22	10	1	11	4	4	
19) Urinary Organs 188-189	18	16	2	2		6		2	
20) Other & Unspecified Sites .. 170-173, 190-199	50	40	10	7	1	5	1	3	
21) Leukemia 204-208	22	17	5	2		3	1	1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	25	21	4	5		7	1	1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	6	5	1			2		1	
24) Diabetes Mellitus 250	40	23	17	3		2	3	4	
25) Nutritional Deficiencies 260-269	5	4	1						
26) Anemias 280-285	4	3	1				1	1	
27) Meningitis 320-322	1		1				1		
28) Major Cardiovascular Diseases 390-448	1,117	865	252	137	17	167	46	74	
29) Diseases of Heart 390-398, 402, 404-429	880	688	192	111	13	142	39	61	
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	5	5				2			
31) Hypertensive Heart Disease 402	25	9	16			1	6		
32) Hypertensive Heart & Renal Disease .. 404	3		3				1		
33) Ischemic Heart Disease 410-414	493	404	89	61	5	92	14	34	
34) Acute Myocardial Infarction 410	248	206	42	37	3	41	3	13	
35) Other Ischemic Heart Disease 411-414	245	198	47	24	2	51	11	21	
36) Other Diseases of Endocardium 424	7	5	2	1		2			
37) All Other Forms of Heart Disease 415-423, 425-429	347	265	82	49	8	45	18	27	
38) Hypertension 401, 403	5	3	2	1		1	1		
39) Cerebrovascular Diseases 430-438	200	147	53	21	4	24	6	7	
40) Atherosclerosis 440	15	13	2	3				3	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	17	14	3	1				3	
42) Acute Bronchitis and Bronchiolitis ... 466	1	1				1			
43) Pneumonia and Influenza 480-487	90	75	15	21	2	10	5	12	
44) Chronic Obstructive Pulmonary Diseases 490-496	88	74	14	11		15	2	4	
45) Ulcer of Stomach and Duodenum 531-533	4	2	2		1	1			
46) Appendicitis 540-543	2	1	1	1					
47) Hernia & Intestinal Obstruction .. 550-553, 560	4	4						1	
48) Chronic Liver Disease and Cirrhosis .. 571	37	27	10	4	1	4	1	1	2
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	3	3		1				2	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	24	14	10	3		3	2	1	
51) Infections of Kidney 590	1		1						
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	1	1				1			
54) Congenital Anomalies 740-759	12	8	4	2	1	2		1	
55) Certain Conditions Originating in the Perinatal Period 760-779	14	10	4	4	1	2		1	
56) Symptoms and Ill-Defined Conditions .. 780-799	18	10	8	1		3	4	2	
57) All Other Diseases Residual	236	180	56	22	2	25	5	27	2
58) Accidents E800-E949	109	70	39	17	3	12	11	10	1
59) Motor Vehicle Accidents E810-E825	49	30	19	3	1	11	7	5	
60) Home Accidents Home E850-E949	25	14	11	3	2		2	1	1
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	35	26	9	11		1	2	4	
62) Suicide E950-E959	54	43	11	10	3	8		2	
63) Homicide and Legal Intervention E960-E978	22	13	9	1		3	2	2	
64) Other External Causes E980-E999								2	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 12
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES					
	Pittsylvania		Dannville		Martinsville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	372	141	477	219	170	98
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009					
3) Tuberculosis, All Forms	010-018			1		
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	5	3	3		1
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070				1	
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of	001-139	4	2	5	2	1
13) Malignant Neoplasms	140-208	83	28	92	60	21
14) Lip, Oral Cavity, and Pharynx	140-149	2	1	2	1	2
15) Digestive Organs and Peritoneum	150-159	22	8	21	12	7
16) Respiratory & Intrathoracic Organs ..	160-165	28	5	28	26	13
17) Breast	174-175	7	2	4	5	1
18) Genital Organs	179-187	13	6	10	8	2
19) Urinary Organs	188-189	3	2	1		4
20) Other & Unspecified Sites ..	170-173, 190-199	4	1	16	4	5
21) Leukemia	204-208	2	3	6	1	3
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	2		4	3	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	2	1			
24) Diabetes Mellitus	250	6	1	6	4	2
25) Nutritional Deficiencies	260-269	2		2	1	9
26) Anemias	280-285			2		
27) Meningitis	320-322					
28) Major Cardiovascular Diseases	390-448	175	61	226	90	38
29) Diseases of Heart	390-398, 402, 404-429	129	48	180	63	29
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2		1		
31) Hypertensive Heart Disease	402	2		4	3	7
32) Hypertensive Heart & Renal Disease ..	404				2	
33) Ischemic Heart Disease	410-414	78	29	106	33	8
34) Acute Myocardial Infarction	410	37	16	66	16	4
35) Other Ischemic Heart Disease ...	411-414	41	13	40	17	4
36) Other Diseases of Endocardium	424	2	1		1	
37) All Other Forms of Heart Disease	415-423, 425-429	45	18	69	24	14
38) Hypertension	401, 403			1		1
39) Cerebrovascular Diseases	430-438	39	12	39	24	7
40) Atherosclerosis	440	4	1	2		1
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	3		4	3	
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	8	3	16	3	2
44) Chronic Obstructive Pulmonary Diseases	490-496	10	4	30	8	
45) Ulcer of Stomach and Duodenum	531-533			1		1
46) Appendicitis	540-543				1	
47) Hernia & Intestinal Obstruction ..	550-553, 560	1				2
48) Chronic Liver Disease and Cirrhosis ..	571	7	3	9	3	2
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575					
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	1	2	3		3
51) Infections of Kidney	590				1	6
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759	3	2			1
55) Certain Conditions Originating in the Perinatal Period	760-779	2	1	1	2	
56) Symptoms and Ill-Defined Conditions ..	780-799			3	1	1
57) All Other Diseases	Residual	29	15	58	24	19
58) Accidents	E800-E949	19	11	9	9	4
59) Motor Vehicle Accidents	E810-E825	8	8	2	2	1
60) Home Accidents	Home E850-E949	7	1	1	3	2
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	4	2	6	4	1
62) Suicide	E950-E959	13	5	10		3
63) Homicide and Legal Intervention	E960-E978	2	2	4	3	2
64) Other External Causes	E980-E999					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 13
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITY							
	TOTAL			Brunswick		Halifax		Mecklenburg		South Boston	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	979	572	407	79	113	198	125	219	141	76	28
1) Shigellosis and Amebiasis 004-006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	17	13	4	2	3	6		3	1	2	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139	9	8	7		1	2	1		5		
13) Malignant Neoplasms 140-208	201	129	72	13	18	50	23	50	29	16	2
14) Lip, Oral Cavity, and Pharynx 140-149	2		2		2						
15) Digestive Organs and Peritoneum 150-159	46	35	11	5	4	16	3	10	4	4	
16) Respiratory & Intrathoracic Organs .. 160-165	57	34	23	2	6	10	8	18	9	4	
17) Breast 174-175	21	13	8	1	3	3		7	4	2	
18) Genital Organs 179-187	18	7	11			5	5	1	6	1	
19) Urinary Organs 188-189	4	2	2			1		1	2		
20) Other & Unspecified Sites .. 170-173,190-199	28	17	11	3	3	7	4	5	3	2	1
21) Leukemia 204-208	12	9	3	1		5	1	3	1		1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	13	12	1	1		3	1	5		3	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	8	3	5	1		1	3		2	1	
24) Diabetes Mellitus 250	18	11	7	1	1	3	2	6	2	1	2
25) Nutritional Deficiencies 260-269	4	3	1	1		1	1	1			
26) Anemias 280-285	2	1	1			1			1		
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	451	255	196	39	61	80	52	103	70	33	13
29) Diseases of Heart 390-398,402,404-429	325	190	145	32	49	62	36	73	50	23	10
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1				1					
31) Hypertensive Heart Disease 402	12	6	6	2	2	4			1		2
32) Hypertensive Heart & Renal Disease .. 404	2		2				1				1
33) Ischemic Heart Disease 410-414	210	126	84	24	28	33	22	51	30	18	4
34) Acute Myocardial Infarction 410	107	68	39	13	14	21	11	24	12	10	2
35) Other Ischemic Heart Disease 411-414	103	58	45	11	14	12	11	27	18	8	2
36) Other Diseases of Endocardium 424	4	2	2	1		1	2				
37) All Other Forms of Heart Disease 415-423,425-429	106	55	51	5	19	23	10	22	19	5	3
38) Hypertension 401,403	5	2	3		1	2	1		1		
39) Cerebrovascular Diseases 430-438	92	50	42	6	9	10	15	26	16	8	2
40) Atherosclerosis 440	6	5	1	1	1	3				1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	13	8	5		1	3		4	3	1	1
42) Acute Bronchitis and Bronchiolitis ... 466	46	29	17	1	4	15	11	9	1	4	1
43) Pneumonia and Influenza 480-487	31	22	9	3	4	8	1	5	3	6	1
44) Chronic Obstructive Pulmonary Diseases 490-496	2	2								2	
45) Ulcer of Stomach and Duodenum 531-533											
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	2	1	1		1	1					
48) Chronic Liver Disease and Cirrhosis .. 571	13	8	5	1	2	3	1	4	1		1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1		1		1						
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	12	5	7	2	2		1	2	2	1	2
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	1		1						1		
55) Certain Conditions Originating in the Perinatal Period 760-779	6	2	4		1	1	1	1	2		
56) Symptoms and Ill-Defined Conditions .. 780-799	10	6	4		1	5	1		1	1	1
57) All Other Diseases Residual	89	56	33	10	7	15	13	26	10	5	3
58) Accidents E800-E849	38	18	20	3	4	6	7	6	7	3	2
59) Motor Vehicle Accidents E810-E825	20	9	11	2	4	3	3	3	3	1	1
60) Home Accidents Home E850-E849	3	2	1					1	1	1	
61) All Other Accidents E800-E807, E826-E849, Other E850-E849	15	7	8	1		3	4	2	3	1	1
62) Suicide E950-E959	9	6	3	2	1		1	3	1	1	
63) Homicide and Legal Intervention E960-E978	8		8		1		5		2		
64) Other External Causes E980-E999	1		1				1				

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 14
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES					
	TOTAL			Amelia		Buckingham		Charlotte	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	949	589	360	49	25	93	42	99	47
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	1		1						
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	9	4	5				3		
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139	6	2	4			1	1		1
13) Malignant Neoplasms 140-208	209	108	101	11	3	14	10	17	13
14) Lip, Oral Cavity, and Pharynx 140-149	2	1	1						
15) Digestive Organs and Peritoneum 150-159	51	26	25	6	1	2	2	3	5
16) Respiratory & Intrathoracic Organs . 160-165	51	30	21	3		2	3	4	5
17) Breast 174-175	22	10	12				2	3	1
18) Genital Organs 179-187	29	12	17	1	2	3	1		1
19) Urinary Organs 188-189	6	4	2			1	1	1	
20) Other & Unspecified Sites .. 170-173, 190-199	24	16	8			3		4	1
21) Leukemia 204-208	5	3	2					2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	19	6	13	1		1	1		
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	2	1	1						
24) Diabetes Mellitus 250	14	4	10	2	2		1	1	1
25) Nutritional Deficiencies 260-269	1		1						
26) Anemias 280-285	2		2						
27) Meningitis 320-322	1		1						
28) Major Cardiovascular Diseases 390-448	429	286	143	23	12	51	9	48	21
29) Diseases of Heart 390-398, 402, 404-429	311	215	116	20	8	40	7	37	17
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1	1						1	
31) Hypertensive Heart Disease 402	11	6	5						3
32) Hypertensive Heart & Renal Disease 404									
33) Ischemic Heart Disease 410-414	204	139	65	16	4	24	3	27	9
34) Acute Myocardial Infarction 410	126	90	36	12	4	17	1	19	5
35) Other Ischemic Heart Disease ... 411-414	78	49	29	4		7	2	8	4
36) Other Diseases of Endocardium 424	9	5	4					1	
37) All Other Forms of Heart Disease 415-423, 425-429	106	64	42	4	4	16	4	8	5
38) Hypertension 401, 403	2		2						
39) Cerebrovascular Diseases 430-438	82	60	22	3	2	10	2	11	4
40) Atherosclerosis 440	1	1							
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	13	10	3		2	1			
42) Acute Bronchitis and Bronchiolitis ... 466	1		1		1				
43) Pneumonia and Influenza 480-487	43	34	9	2	1	1	2	5	2
44) Chronic Obstructive Pulmonary Diseases 490-496	26	23	3			1	1	4	
45) Ulcer of Stomach and Duodenum 531-533	3	3						2	
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553, 560	1		1				1		
48) Chronic Liver Disease and Cirrhosis .. 571	4	2	2			1		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1		1					
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	10	7	3	1		2			
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	1	1		1					
55) Certain Conditions Originating in the Perinatal Period 760-779	5	1	4		1			1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	5	1	4			1	1		
57) All Other Diseases Residual	89	61	28	2	1	10	6	16	2
58) Accidents E800-E849	53	27	26	3	4	6	6		4
59) Motor Vehicle Accidents E810-E825	19	9	10	2	2	3	2		3
60) Home Accidents Home E850-E849	11	4	7	1			2		1
61) All Other Accidents E800-E807, E826-E849, Other E850-E849	23	14	9		2	3	2		
62) Suicide E950-E959	19	14	5	2		2		4	2
63) Homicide and Legal Intervention E960-E978	14	9	5	1		3	1		
64) Other External Causes E980-E999									

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 14
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES								
	Cumberland		Lunenburg		Mottoway		Prince Edward		
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	
ALL CAUSES OF DEATH	37	39	83	60	134	63	94	84	
1) Shigellosis and Amebiasis	004-006								
2) Certain Other Intestinal Infections ..	007-009								
3) Tuberculosis, All Forms	010-018							1	
4) Whooping Cough	033								
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035								
6) Meningococcal Infection	036								
7) Septicemia	038		1		3			2	
8) Acute Poliomyelitis	045								
9) Measles	055								
10) Viral Hepatitis	070								
11) Syphilis	090-097								
12) Other Infectious & Parasitic Diseases Residual of 001-139			1			1		1	
13) Malignant Neoplasms	140-208	11	18	11	13	27	21	17	23
14) Lip, Oral Cavity, and Pharynx	140-149							1	1
15) Digestive Organs and Peritoneum	150-159	2	3	1	2	6	3	6	9
16) Respiratory & Intrathoracic Organs ..	160-165	2	3	2	2	12	5	5	3
17) Breast	174-175		3	1	1	3	4	1	1
18) Genital Organs	179-187	3	5	4	2		4	1	2
19) Urinary Organs	188-189			1		1	1		
20) Other & Unspecified Sites .. 170-173,190-199		2	1	2	2	3	2	2	2
21) Leukemia	204-208			1	1	1			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	2	3		3	1	1	1	5
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	1							1
24) Diabetes Mellitus	250		1	4	1	1			
25) Nutritional Deficiencies	260-269								1
26) Anemias	280-285			2					
27) Meningitis	320-322								1
28) Major Cardiovascular Diseases	390-448	17	8	48	30	57	23	42	40
29) Diseases of Heart 390-398,402,404-429		12	8	35	26	41	19	20	31
30) Rheumatic Fever and Rheumatic Heart Disease	390-398								
31) Hypertensive Heart Disease	402	1		1		2	2	2	
32) Hypertensive Heart & Renal Disease ..	404								
33) Ischemic Heart Disease	410-414	6	4	20	19	27	9	19	17
34) Acute Myocardial Infarction	410	5		7	9	13	8	17	9
35) Other Ischemic Heart Disease ...	411-414	1	4	13	10	14	1	2	8
36) Other Diseases of Endocardium	424	1		2		1	2		2
37) All Other Forms of Heart Disease 415-423,425-429		4	4	12	7	11	6	9	12
38) Hypertension	401,403						1		1
39) Cerebrovascular Diseases	430-438	5		11	3	10	3	10	8
40) Atherosclerosis	440					1			
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448			2	1	5		2	
42) Acute Bronchitis and Bronchiolitis ...	466								
43) Pneumonia and Influenza	480-487		2	4		14	1	8	1
44) Chronic Obstructive Pulmonary Diseases	490-496	3		2	1	11	1	2	
45) Ulcer of Stomach and Duodenum	531-533							1	
46) Appendicitis	540-543								
47) Hernia & Intestinal Obstruction ..	550-553,560								
48) Chronic Liver Disease and Cirrhosis ..	571						1		1
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575								
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589		2		1	2		2	
51) Infections of Kidney	590								
52) Hyperplasia of Prostate	600								
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676								
54) Congenital Anomalies	740-759								
55) Certain Conditions Originating in the Perinatal Period	760-779		1		1				
56) Symptoms and Ill-Defined Conditions ..	780-799						2		1
57) All Other Diseases	Residual	1	1	7	6	5	8	20	4
58) Accidents	E800-E949	4		7	2	10	2	1	3
59) Motor Vehicle Accidents	E810-E825	2		2		2			1
60) Home Accidents	Home E850-E949	1		1	2	1		1	1
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949		1	4		7	3		1
62) Suicide	E950-E959	1	1	2		3	1		1
63) Homicide and Legal Intervention	E960-E978	3	1			1		1	3
64) Other External Causes	E980-E999								

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 15
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITY							
	TOTAL			Charles City		Chesterfield		Goochland		Hanover	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	6,161	4,247	1,914	12	47	807	128	72	47	410	89
1) Shigellosis and Amebiasis 004-006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018	1		1								
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	97	48	49	1	7	2		2		4	1
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070	2	1	1								
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139	77	38	39			6		1		8	2
13) Malignant Neoplasms 140-208	1,449	1,005	444	3	17	214	38	23	12	108	22
14) Lip, Oral Cavity, and Pharynx 140-149	23	14	9		1	3		1		1	
15) Digestive Organs and Peritoneum 150-159	345	221	124	1	6	46	6	4	3	22	6
16) Respiratory & Intrathoracic Organs .. 160-165	455	338	117	1	2	76	13	8	2	40	9
17) Breast 174-175	135	90	45		2	21	7	2	2	9	1
18) Genital Organs 179-187	141	91	50	1	1	21	4	1	2	11	
19) Urinary Organs 188-189	47	33	14		1	11	1	1		2	1
20) Other & Unspecified Sites .. 170-173, 190-199	189	130	59		2	20	3	3	3	13	4
21) Leukemia 204-208	44	36	8		1	5	1	1		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	70	52	18		1	11	3	2		8	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	22	17	5			2					1
24) Diabetes Mellitus 250	85	51	34			10		1		2	4
25) Nutritional Deficiencies 260-269	11	5	6		1		1			2	
26) Anemias 280-285	15	11	4			1		1	1	1	
27) Meningitis 320-322	2	2									
28) Major Cardiovascular Diseases 390-448	2,497	1,822	675	6	14	312	39	31	22	169	34
29) Diseases of Heart 390-398, 402, 404-429	1,956	1,405	551	3	11	241	32	24	20	127	29
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	13	9	4		1	2	1			1	
31) Hypertensive Heart Disease 402	37	18	19			5				2	4
32) Hypertensive Heart & Renal Disease .. 404	4	1	3								
33) Ischemic Heart Disease 410-414	1,221	905	316	2	7	159	20	16	12	76	18
34) Acute Myocardial Infarction 410	557	420	137	1	5	73	12	8	8	33	6
35) Other Ischemic Heart Disease ... 411-414	664	485	179	1	2	86	8	8	4	43	12
36) Other Diseases of Endocardium 424	34	31	3			4		1		4	
37) All Other Forms of Heart Disease 415-423, 425-429	647	441	206	1	3	71	11	7	8	44	7
38) Hypertension 401, 403	32	20	12			2				3	
39) Cerebrovascular Diseases 430-438	400	311	89	3	3	49	7	7	2	26	3
40) Atherosclerosis 440	48	39	9			7				7	2
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	61	47	14			13				6	
42) Acute Bronchitis and Bronchiolitis ... 466	6	4	2			1			1		
43) Pneumonia and Influenza 480-487	190	149	41	1		24	3	2	1	12	1
44) Chronic Obstructive Pulmonary Diseases 490-496	242	192	50	1		31	1	2	1	15	
45) Ulcer of Stomach and Duodenum 531-533	14	12	2			3					
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553, 560	12	8	4			3					
48) Chronic Liver Disease and Cirrhosis .. 571	68	47	21			9	2			1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	7	4	3								1
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	72	30	42		3	3	5			4	1
51) Infections of Kidney 590	5	4	1							1	
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	3	3				2					
54) Congenital Anomalies 740-759	33	23	10			5	1			2	
55) Certain Conditions Originating in the Perinatal Period 760-779	83	25	58			9	4	1		3	3
56) Symptoms and Ill-Defined Conditions .. 780-799	58	37	21			5	1			3	1
57) All Other Diseases Residual	607	431	176	3	2	77	8	6	1	38	12
58) Accidents E800-E849	279	171	108		7	49	14	3	2	22	3
59) Motor Vehicle Accidents E810-E825	109	67	42		4	19	8	1	2	9	2
60) Home Accidents Home E850-E849	77	43	34		2	10	2	1		4	1
61) All Other Accidents E800-E807, E826-E849, Other E850-E849	93	61	32		1	20	4	1		9	
62) Suicide E950-E959	100	76	24			24	2	2		10	
63) Homicide and Legal Intervention E960-E978	121	28	93			8	4			5	3
64) Other External Causes E980-E999	3	3				2					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 15
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY							
	Henrico		New Kent		Powhatan		Richmond City	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,557	251	57	26	62	28	1,270	1,298
1) Shigellosis and Amebiasis	004-006							
2) Certain Other Intestinal Infections ..	007-009							
3) Tuberculosis, All Forms	010-018							
4) Whooping Cough	033							1
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035							
6) Meningococcal Infection	036							
7) Septicemia	038	22	10				15	33
8) Acute Poliomyelitis	045							
9) Measles	055							
10) Viral Hepatitis	070	1						1
11) Syphilis	090-097							
12) Other Infectious & Parasitic Diseases Residual of	001-139	8	8			2	16	26
13) Malignant Neoplasms	140-208	352	59	15	7	17	273	282
14) Lip, Oral Cavity, and Pharynx	140-149	5	1	1			3	7
15) Digestive Organs and Peritoneum	150-159	76	17	3	4	5	64	79
16) Respiratory & Intrathoracic Organs ..	160-165	125	17	5	2	5	78	70
17) Breast	174-175	30	6	2		2	24	27
18) Genital Organs	179-187	31	5	1		1	25	37
19) Urinary Organs	188-189	8	2				10	9
20) Other & Unspecified Sites ..	170-173,190-199	48	7	3		2	41	40
21) Leukemia	204-208	18		1		1	10	4
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	11	4			2	18	9
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	5		1			9	4
24) Diabetes Mellitus	250	23	1	1			14	26
25) Nutritional Deficiencies	260-269	1					2	4
26) Anemias	280-285	5	1				3	2
27) Meningitis	320-322	2						
28) Major Cardiovascular Diseases	390-448	681	83	21	9	25	577	467
29) Diseases of Heart	390-398,402,404-429	525	66	16	5	18	451	383
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	3					3	2
31) Hypertensive Heart Disease	402	4	3	1	1	1	5	11
32) Hypertensive Heart & Renal Disease ..	404						1	3
33) Ischemic Heart Disease	410-414	339	34	8	2	12	293	219
34) Acute Myocardial Infarction	410	157	10	4		3	141	95
35) Other Ischemic Heart Disease ...	411-414	182	24	4	2	9	152	124
36) Other Diseases of Endocardium	424	12		1			9	3
37) All Other Forms of Heart Disease	415-423,425-429	167	29	6	2	5	140	145
38) Hypertension	401,403	8	3			1	6	9
39) Cerebrovascular Diseases	430-438	117	10	4	3	5	100	60
40) Atherosclerosis	440	16	2	1			9	4
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	15	2	1		1	11	11
42) Acute Bronchitis and Bronchiolitis ...	466	2					1	1
43) Pneumonia and Influenza	480-487	59	6	2	1	1	49	28
44) Chronic Obstructive Pulmonary Diseases	490-496	75	6	8	3	2	59	37
45) Ulcer of Stomach and Duodenum	531-533	6				1	2	2
46) Appendicitis	540-543							
47) Hernia & Intestinal Obstruction ..	550-553,560	2					3	4
48) Chronic Liver Disease and Cirrhosis ..	571	19	2	1		1	16	16
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3			1		1	1
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	9	7	1	1	1	13	24
51) Infections of Kidney	590	1	1				2	
52) Hyperplasia of Prostate	600							
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676	1						
54) Congenital Anomalies	740-759	11				2	3	7
55) Certain Conditions Originating in the Perinatal Period	760-779	7	9		1		5	41
56) Symptoms and Ill-Defined Conditions ..	780-799	9	5		1	1	19	12
57) All Other Diseases	Residual	172	21	3		7	125	129
58) Accidents	E800-E949	56	18	3	2	4	34	57
59) Motor Vehicle Accidents	E810-E825	23	8	2	2	3	10	16
60) Home Accidents	Home E850-E949	15	7			1	12	20
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	18	3	1		3	12	21
62) Suicide	E950-E959	20	2	1		1	18	20
63) Homicide and Legal Intervention	E960-E978	5	12			1	10	73
64) Other External Causes	E980-E999						1	

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 16
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITY			
	TOTAL			Caroline		King George	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	993	786	207	82	79	84	26
1) Shigellosis and Amebiasis 004-006							
2) Certain Other Intestinal Infections .. 007-009	1	1					
3) Tuberculosis, All Forms 010-018	2	1	1			1	1
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	12	8	4	1	3		
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070							
11) Syphilis 090-097							
12) Other Infectious & Parasitic Diseases Residual of 001-139	15	6	9	1	1	2	2
13) Malignant Neoplasms 140-208	259	211	48	18	21	23	4
14) Lip, Oral Cavity, and Pharynx 140-149	10	8	2		1	1	
15) Digestive Organs and Peritoneum 150-159	63	44	19	3	7	8	2
16) Respiratory & Intrathoracic Organs . 160-165	72	65	7	5	5	3	
17) Breast 174-175	12	10	2		1	2	
18) Genital Organs 179-187	26	18	8	4	4	1	2
19) Urinary Organs 188-189	10	7	3	1	1	1	
20) Other & Unspecified Sites .. 170-173,190-199	45	39	6	2	2	3	
21) Leukemia 204-208	16	16		2		3	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	5	4	1	1		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	3	2	1		1		
24) Diabetes Mellitus 250	17	17					
25) Nutritional Deficiencies 260-269							
26) Anemias 280-285	1	1					
27) Meningitis 320-322							
28) Major Cardiovascular Diseases 390-448	408	320	88	32	32	31	7
29) Diseases of Heart 390-398,402,404-429	297	229	68	25	25	24	5
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	2	1		1		
31) Hypertensive Heart Disease 402	3	2	1				
32) Hypertensive Heart & Renal Disease 404							
33) Ischemic Heart Disease 410-414	198	157	41	19	17	16	1
34) Acute Myocardial Infarction 410	113	89	24	12	7	2	
35) Other Ischemic Heart Disease ... 411-414	85	68	17	7	10	14	1
36) Other Diseases of Endocardium 424	7	5	2			1	
37) All Other Forms of Heart Disease 415-423,425-429	86	63	23	6	7	7	4
38) Hypertension 401,403	3	2	1				
39) Cerebrovascular Diseases 430-438	82	66	16	2	6	6	2
40) Atherosclerosis 440	10	9	1	1		1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	16	14	2	4	1		
42) Acute Bronchitis and Bronchiolitis ... 466							
43) Pneumonia and Influenza 480-487	17	13	4		2	5	1
44) Chronic Obstructive Pulmonary Diseases 490-496	23	21	2	4	1	5	1
45) Ulcer of Stomach and Duodenum 531-533	1		1		1		
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553,560	2		2				1
48) Chronic Liver Disease and Cirrhosis .. 571	5	4	1	1	1	1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575							
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	5	5		1			
51) Infections of Kidney 590	1	1					
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	11	9	2	2			1
55) Certain Conditions Originating in the Perinatal Period 760-779	11	7	4	1	2		1
56) Symptoms and Ill-Defined Conditions .. 780-799	7	5	2		1		1
57) All Other Diseases Residual	95	77	18	12	7	5	2
58) Accidents E800-E949	63	48	15	6	5	8	2
59) Motor Vehicle Accidents E810-E825	30	24	6	5	3	4	
60) Home Accidents Home E850-E949	12	11	1	1	1	2	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	21	13	8		1	2	2
62) Suicide E950-E959	24	23	1	3		2	1
63) Homicide and Legal Intervention E960-E978	9	5	4		1	1	1
64) Other External Causes E980-E999	1	1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 16
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITY					
	Spotsylvania		Stafford		Fredericksburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	243	33	237	30	140	39
1) Shigellosis and Amebiasis	004-006					
2) Certain Other Intestinal Infections ..	007-009		1			
3) Tuberculosis, All Forms	010-018					
4) Whooping Cough	033					
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035					
6) Meningococcal Infection	036					
7) Septicemia	038	4	1		2	1
8) Acute Poliomyelitis	045					
9) Measles	055					
10) Viral Hepatitis	070					
11) Syphilis	090-097					
12) Other Infectious & Parasitic Diseases Residual of 001-139		1 3	1 1		1 2	
13) Malignant Neoplasms	140-208	66 9	64 5		40 2	
14) Lip, Oral Cavity, and Pharynx	140-149	2 1	1 1		4 1	
15) Digestive Organs and Peritoneum	150-159	15 2	9 3		9 5	
16) Respiratory & Intrathoracic Organs ..	160-165	21 2	21 1		15 1	
17) Breast	174-175	3 1	4 1		1 1	
18) Genital Organs	179-187	5 1	5 1		3 1	
19) Urinary Organs	188-189	1 1	3 1		1 1	
20) Other & Unspecified Sites .. 170-173,190-199		14 2	14 7		6 2	
21) Leukemia	204-208	4	7			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	1		1	1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239				2	
24) Diabetes Mellitus	250	6	10		1	
25) Nutritional Deficiencies	260-269					
26) Anemias	280-285	1				
27) Meningitis	320-322					
28) Major Cardiovascular Diseases	390-448	99 16	93 14		65 19	
29) Diseases of Heart	390-398,402,404-429	64 11	68 12		48 15	
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	1	1			
31) Hypertensive Heart Disease	402		1		1	1
32) Hypertensive Heart & Renal Disease ..	404					
33) Ischemic Heart Disease	410-414	45 7	42 7		35 9	
34) Acute Myocardial Infarction	410	25 5	26 5		24 7	
35) Other Ischemic Heart Disease ...	411-414	20 2	16 2		11 2	
36) Other Diseases of Endocardium	424	2	2	2		
37) All Other Forms of Heart Disease 415-423,425-429		16 4	22 3		12 5	
38) Hypertension	401,403	1 1	1 1			
39) Cerebrovascular Diseases	430-438	27 3	18 2		13 3	
40) Atherosclerosis	440	4 1	1		2	
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	3	5		2 1	
42) Acute Bronchitis and Bronchiolitis ...	466					
43) Pneumonia and Influenza	480-487	2	5		1 1	
44) Chronic Obstructive Pulmonary Diseases	490-496	7	3		2	
45) Ulcer of Stomach and Duodenum	531-533					
46) Appendicitis	540-543					
47) Hernia & Intestinal Obstruction ..	550-553,560			1		
48) Chronic Liver Disease and Cirrhosis ..	571	1			1	
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575					
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	4				
51) Infections of Kidney	590		1			
52) Hyperplasia of Prostate	600					
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676					
54) Congenital Anomalies	740-759	2	4		1 1	
55) Certain Conditions Originating in the Perinatal Period	760-779	3	3			1
56) Symptoms and Ill-Defined Conditions ..	780-799	2	2		1	
57) All Other Diseases	Residual	24 1	20 6		16 2	
58) Accidents	E800-E949	12 4	17 2		5 2	
59) Motor Vehicle Accidents	E810-E825	5 2	8		2 1	
60) Home Accidents	Home E850-E949	2	5		1	
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	5 2	4 2		2 1	
62) Suicide	E950-E959	8	8		2	
63) Homicide and Legal Intervention	E960-E978		4 1			1
64) Other External Causes	E980-E999	1				

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 17
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES							
	Total	White	Nonwh	Lancaster White	Nonwh	Northumberland White	Nonwh	Richmond White	Nonwh	Westmoreland White	Nonwh
ALL CAUSES OF DEATH	601	435	166	110	41	113	47	62	21	150	57
1) Shigellosis and Amebiasis 004-006											
2) Certain Other Intestinal Infections .. 007-009											
3) Tuberculosis, All Forms 010-018											
4) Whooping Cough 033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035											
6) Meningococcal Infection 036											
7) Septicemia 038	4	3	1			2			1	1	
8) Acute Poliomyelitis 045											
9) Measles 055											
10) Viral Hepatitis 070											
11) Syphilis 090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139	6	2	4		2				1	2	1
13) Malignant Neoplasms 140-200	157	113	44	27	10	35	14	11	5	40	15
14) Lip, Oral Cavity, and Pharynx 140-149	2	1	1	1							
15) Digestive Organs and Peritoneum 150-159	39	28	11	6	3	12	2	3	3	7	3
16) Respiratory & Intrathoracic Organs .. 160-165	52	42	10	10	3	16	3	3		13	4
17) Breast 174-175	10	8	2	3		1	2	1		3	
18) Genital Organs 179-187	17	6	11	2	3	1	4			3	4
19) Urinary Organs 188-189	8	5	3	4			2			1	1
20) Other & Unspecified Sites .. 170-173,190-199	20	15	5		1	2	1	3	1	10	2
21) Leukemia 204-208	2	2				1				1	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	7	6	1	1		2		1	1	2	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	1						1			
24) Diabetes Mellitus 250	8	4	4		1	1	2	1		2	1
25) Nutritional Deficiencies 260-269	1	1								1	
26) Anemias 280-285	1		1				1				
27) Meningitis 320-322											
28) Major Cardiovascular Diseases 390-448	280	215	65	56	16	54	16	35	7	70	26
29) Diseases of Heart 390-398,402,404-429	226	174	52	42	14	44	11	29	5	59	22
30) Rheumatic Fever and Rheumatic Heart Disease 390-398											
31) Hypertensive Heart Disease 402	8	6	2				1	4		2	1
32) Hypertensive Heart & Renal Disease 404	2	1	1					1			1
33) Ischemic Heart Disease 410-414	146	112	34	25	9	32	5	15	4	40	16
34) Acute Myocardial Infarction 410	78	60	18	13	3	20	2	8	4	19	9
35) Other Ischemic Heart Disease ... 411-414	68	52	16	12	6	12	3	7		21	7
36) Other Diseases of Endocardium 424	5	5		1		1		2		1	
37) All Other Forms of Heart Disease 415-423,425-429	65	50	15	16	5	11	5	7	1	16	4
38) Hypertension 401,403	1	1				1					
39) Cerebrovascular Diseases 430-438	42	32	10	13	1	7	3	6	2	6	4
40) Atherosclerosis 440	4	4								4	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	7	4	3	1	1	2	2			1	
42) Acute Bronchitis and Bronchiolitis ... 466	1	1						1			
43) Pneumonia and Influenza 480-487	12	6	6	2	3	2	1	1		1	2
44) Chronic Obstructive Pulmonary Diseases 490-496	17	15	2	3		6		2		4	2
45) Ulcer of Stomach and Duodenum 531-533	2	2				1				1	
46) Appendicitis 540-543											
47) Hernia & Intestinal Obstruction .. 550-553,560	2	1	1			1	1				
48) Chronic Liver Disease and Cirrhosis .. 571	3	2	1							2	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	2		2							
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	5	4	1	2		1		1	1		
51) Infections of Kidney 590											
52) Hyperplasia of Prostate 600											
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676											
54) Congenital Anomalies 740-759	4	3	1	1		1	1			1	
55) Certain Conditions Originating in the Perinatal Period 760-779	6	2	4		1	1	1		1	1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	4	4	0	1		1				2	
57) All Other Diseases Residual	46	31	15	8	5	6	4	7	3	10	3
58) Accidents E800-E849	33	19	14	7	3			6		10	3
59) Motor Vehicle Accidents E810-E825	19	13	6	4	1			3		7	2
60) Home Accidents Home E850-E849	8	4	4	3				3		1	
61) All Other Accidents E800-E807, E826-E849, Other E850-E849	6	2	4		2				1	2	1
62) Suicide E950-E959	4	4		1		1				2	
63) Homicide and Legal Intervention E960-E978	2		2								2
64) Other External Causes E980-E999											

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 18
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES					
	TOTAL			Essex		Gloucester		King & Queen	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	766	533	233	74	50	178	58	36	46
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018									
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	9	3	6	1	2		3		
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070									
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139						1	1		
13) Malignant Neoplasms 140-208	191	131	60	19	12	48	15	11	9
14) Lip, Oral Cavity, and Pharynx 140-149	3	1	2		2	1			
15) Digestive Organs and Peritoneum 150-159	48	33	15	2	4	17	4	1	3
16) Respiratory & Intrathoracic Organs .. 160-165	58	42	16	8	3	13	4	4	3
17) Breast 174-175	18	10	8	1	2	3	3	2	
18) Genital Organs 179-187	16	9	7	2		2	3		
19) Urinary Organs 188-189	10	6	4	1	1	2			2
20) Other & Unspecified Sites .. 170-173,190-199	18	13	5	2		5		2	
21) Leukemia 204-208	5	5		1		1			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	15	12	3	2		4	1	2	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	1							
24) Diabetes Mellitus 250	12	7	5	1	1	1	1	2	1
25) Nutritional Deficiencies 260-269	1	1				1			
26) Anemias 280-285	1		1				1		
27) Meningitis 320-322	1		1		1				
28) Major Cardiovascular Diseases 390-448	339	234	105	40	21	72	30	10	19
29) Diseases of Heart 390-398,402,404-429	270	193	77	33	13	60	26	7	14
30) Rheumatic Fever and Rheumatic Heart Disease 390-398									
31) Hypertensive Heart Disease 402	7	4	3	3	1	1			
32) Hypertensive Heart & Renal Disease 404									
33) Ischemic Heart Disease 410-414	157	113	44	20	9	34	16	4	9
34) Acute Myocardial Infarction 410	70	56	14	10	1	13	5	2	4
35) Other Ischemic Heart Disease ... 411-414	87	57	30	10	8	21	11	2	5
36) Other Diseases of Endocardium 424	6	4	2			2			1
37) All Other Forms of Heart Disease 415-423,425-429	100	72	28	10	3	23	10	3	4
38) Hypertension 401,403	1		1						
39) Cerebrovascular Diseases 430-438	59	33	26	7	8	7	4	3	5
40) Atherosclerosis 440	4	3	1			1			
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	5	5				4			
42) Acute Bronchitis and Bronchiolitis ... 466	1		1		1				
43) Pneumonia and Influenza 480-487	32	26	6	1		8	1	2	2
44) Chronic Obstructive Pulmonary Diseases 490-496	24	19	5	2	1	7	2	2	2
45) Ulcer of Stomach and Duodenum 531-533	2	1	1		1	1			
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553,560									
48) Chronic Liver Disease and Cirrhosis .. 571	5	3	2		2	1			
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575									
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	7	7				3		1	
51) Infections of Kidney 590									
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676									
54) Congenital Anomalies 740-759	1	1				1			
55) Certain Conditions Originating in the Perinatal Period 760-779	8	4	4			1			2
56) Symptoms and Ill-Defined Conditions .. 780-799	3	3		2			2		
57) All Other Diseases Residual	62	50	12	4	2	17	2	4	5
58) Accidents E800-E949	39	26	13	2	3	10	2	3	4
59) Motor Vehicle Accidents E810-E825	14	7	7	2	3	4	2		2
60) Home Accidents Home E850-E949	5	4	1			1		2	
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	20	15	5			5		1	2
62) Suicide E950-E959	14	11	3	2		4		1	1
63) Homicide and Legal Intervention E960-E978	7	3	4		3	1			1
64) Other External Causes E988-E999	1	1				1			

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 18
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES					
	King William		Mathews		Middlesex	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	59	35	90	15	96	29
1) Shigellosis and Amebiasis 004-006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018						
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038		1	2			
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070						
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases Residual of 001-139		2		1		
13) Malignant Neoplasms 140-208	2	10	15	2	29	12
14) Lip, Oral Cavity, and Pharynx 140-149						
15) Digestive Organs and Peritoneum 150-159	2	1	4		7	3
16) Respiratory & Intrathoracic Organs .. 160-165	3	2	4		10	4
17) Breast 174-175	2	1	1	1	1	1
18) Genital Organs 179-187		2	2	1	3	1
19) Urinary Organs 188-189					3	1
20) Other & Unspecified Sites .. 170-173, 190-199		3	2		2	2
21) Leukemia 204-208			1		2	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	2	1	1		1	
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239			1			
24) Diabetes Mellitus 250	2		1	2		
25) Nutritional Deficiencies 260-269						
26) Anemias 280-285						
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	28	13	45	7	39	15
29) Diseases of Heart 390-398, 402, 404-429	22	9	36	4	35	11
30) Rheumatic Fever and Rheumatic Heart Disease 390-398						
31) Hypertensive Heart Disease 402						2
32) Hypertensive Heart & Renal Disease 404						
33) Ischemic Heart Disease 410-414	13	3	17	2	25	5
34) Acute Myocardial Infarction 410	4	1	9	1	18	2
35) Other Ischemic Heart Disease ... 411-414	9	2	8	1	7	3
36) Other Diseases of Endocardium 424		1	1		1	
37) All Other Forms of Heart Disease 415-423, 425-429	9	5	18	2	9	4
38) Hypertension 401, 403		1				
39) Cerebrovascular Diseases 430-438	5	3	7	3	4	3
40) Atherosclerosis 440	1		1			1
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448			1			
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	1	2	8	1	6	
44) Chronic Obstructive Pulmonary Diseases 490-496	3		1		4	
45) Ulcer of Stomach and Duodenum 531-533						
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553, 560						
48) Chronic Liver Disease and Cirrhosis .. 571					2	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575						
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589			1		2	
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676						
54) Congenital Anomalies 740-759						
55) Certain Conditions Originating in the Perinatal Period 760-779	2	1		1	1	
56) Symptoms and Ill-Defined Conditions .. 780-799			1			
57) All Other Diseases Residual	9	2	6		10	1
58) Accidents E800-E949	1	2	8		2	1
59) Motor Vehicle Accidents E810-E825					1	
60) Home Accidents Home E850-E949		1	1			
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	1	2	7		1	1
62) Suicide E950-E959	4	1		1		
63) Homicide and Legal Intervention E960-E978			1		1	
64) Other External Causes E980-E999						

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 19
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES								
	TOTAL			Dinwiddie		Greensville		Prince George		Surry		
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	
ALL CAUSES OF DEATH	1,638	973	665	117	72	58	42	89	29	33	42	
1) Shigellosis and Amebiasis	004-006											
2) Certain Other Intestinal Infections ..	007-009											
3) Tuberculosis, All Forms	010-018	2		2								
4) Whooping Cough	033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035											
6) Meningococcal Infection	036	1		1								
7) Septicemia	038	20	13	7	1			1		1		
8) Acute Poliomyelitis	045											
9) Measles	055											
10) Viral Hepatitis	070											
11) Syphilis	090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139		12	6	6	2	2				1		
13) Malignant Neoplasms	140-208	410	249	161	36	16	8	11	24	11	7	7
14) Lip, Oral Cavity, and Pharynx	140-149	5	3	2		1	1					
15) Digestive Organs and Peritoneum	150-159	92	46	46	11	2	2	2	3	2	3	
16) Respiratory & Intrathoracic Organs ..	160-165	132	94	38	11	4	3	5	10	1	2	2
17) Breast	174-175	33	20	13	2	2			2	1	2	
18) Genital Organs	179-187	51	28	23	4	4	2	1	1	2	1	1
19) Urinary Organs	188-189	15	9	6		1						
20) Other & Unspecified Sites ..	170-173, 190-199	54	35	19	5	1		2	6	2		
21) Leukemia	204-208	6	4	2					1			
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	22	10	12	3	1		1	2	2	1	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	3	3						1		1	
24) Diabetes Mellitus	250	39	16	23	2	2		3	1		1	1
25) Nutritional Deficiencies	260-269											
26) Anemias	280-285	3	1	2								
27) Meningitis	320-322											
28) Major Cardiovascular Diseases	390-448	713	421	292	38	33	27	18	36	11	16	22
29) Diseases of Heart	390-398, 402, 404-429	570	344	226	29	27	22	14	33	8	12	15
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	2	1	1								
31) Hypertensive Heart Disease	402	24	8	16		3		2	2			
32) Hypertensive Heart & Renal Disease ..	404	3	1	2				1	1			
33) Ischemic Heart Disease	410-414	342	224	118	19	14	18	7	21	2	7	10
34) Acute Myocardial Infarction	410	165	105	60	9	7	11	6	9		3	7
35) Other Ischemic Heart Disease ...	411-414	177	119	58	10	7	7	1	12	2	4	3
36) Other Diseases of Endocardium	424	12	7	5	1	1						
37) All Other Forms of Heart Disease ..	415-423, 425-429	187	103	84	9	9	4	4	9	6	5	5
38) Hypertension	401, 403	10	4	6	1	1				1		1
39) Cerebrovascular Diseases	430-438	102	56	46	5	5	3	3	2	2	4	4
40) Atherosclerosis	440	14	7	7			2	1				2
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	17	10	7	3				1			
42) Acute Bronchitis and Bronchiolitis ...	466											
43) Pneumonia and Influenza	480-487	39	26	13	2	1	4	2				3
44) Chronic Obstructive Pulmonary Diseases	490-496	47	34	13	8		2	1	2	2		
45) Ulcer of Stomach and Duodenum	531-533	3	3						1			
46) Appendicitis	540-543											
47) Hernia & Intestinal Obstruction ..	550-553, 560	6	4	2					1			
48) Chronic Liver Disease and Cirrhosis ..	571	20	11	9			1		1			
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	3	3									
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	24	12	12		2		1	2	1		2
51) Infections of Kidney	590	2		2								
52) Hyperplasia of Prostate	600											
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676											
54) Congenital Anomalies	740-759	4	2	2		1		1				
55) Certain Conditions Originating in the Perinatal Period	760-779	12	3	9		1			1			
56) Symptoms and Ill-Defined Conditions ..	780-799	11	3	8		1		1			1	
57) All Other Diseases	Residual	148	97	51	19	3	7	2	9	1	1	4
58) Accidents	E800-E949	73	41	32	3	5	7	1	4	1	2	3
59) Motor Vehicle Accidents	E810-E825	38	21	17	1	4	3	1	3	1	2	2
60) Home Accidents	Home E850-E949	14	9	5	1	1	1					1
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	21	11	10	1		3		1			
62) Suicide	E950-E959	26	19	7	4	2	2	1	3	1	2	
63) Homicide and Legal Intervention	E960-E978	15	5	10	3	2			1	1		
64) Other External Causes	E980-E999	2	1	1								

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 19
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES									
	Sussex		Colonial Heights		Emporia		Hopewell		Petersburg	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	67	73	170	6	50	47	192	55	197	299
1) Shigellosis and Amebiasis 004-006										
2) Certain Other Intestinal Infections .. 007-009										
3) Tuberculosis, All Forms 010-018								2		
4) Whooping Cough 033										
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035										
6) Meningococcal Infection 036										1
7) Septicemia 038	3		3				2		3	6
8) Acute Poliomyelitis 045										
9) Measles 055										
10) Viral Hepatitis 070										
11) Syphilis 090-097										
12) Other Infectious & Parasitic Diseases Residual of 001-139	1		1		1		1	1		2
13) Malignant Neoplasms 140-208	12	16	48	4	6	8	55	11	53	77
14) Lip, Oral Cavity, and Pharynx 140-149		1					1		1	
15) Digestive Organs and Peritoneum 150-159	4	6	6		1	3	11	7	7	20
16) Respiratory & Intrathoracic Organs .. 160-165	4		23		3	3	23		15	23
17) Breast 174-175	1		5	2			2	1	7	7
18) Genital Organs 179-187	2	2	3		1	1	6	2	8	10
19) Urinary Organs 188-189	1		2			1	2		4	4
20) Other & Unspecified Sites .. 170-173,190-199		3	9	1	1		5	1	9	9
21) Leukemia 204-208				1			2		1	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203			4				3		1	3
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239									1	
24) Diabetes Mellitus 250		1		1	4	1	4		4	14
25) Nutritional Deficiencies 260-269										
26) Anemias 280-285		1					1			1
27) Meningitis 320-322										
28) Major Cardiovascular Diseases 390-448	35	34	74	1	30	20	80	26	85	127
29) Diseases of Heart 390-398,402,404-429	27	24	63		25	15	63	18	70	105
30) Rheumatic Fever and Rheumatic Heart Disease 390-398									1	1
31) Hypertensive Heart Disease 402		3			3	1	1	1	2	6
32) Hypertensive Heart & Renal Disease .. 404										1
33) Ischemic Heart Disease 410-414	16	10	36		18	12	44	11	45	52
34) Acute Myocardial Infarction 410	7	5	13		7	8	23	8	23	19
35) Other Ischemic Heart Disease ... 411-414	9	5	23		11	4	21	3	22	33
36) Other Diseases of Endocardium 424		2	3				2		1	2
37) All Other Forms of Heart Disease 415-423,425-429	11	9	24		4	2	16	6	21	43
38) Hypertension 401,403	1		1				1			3
39) Cerebrovascular Diseases 430-438	6	6	8	1	3	2	14	7	11	16
40) Atherosclerosis 440	1	1	1			3			3	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448		3	1		2		2	1	1	3
42) Acute Bronchitis and Bronchiolitis ... 466										
43) Pneumonia and Influenza 480-487	1		6		1	2	7		5	5
44) Chronic Obstructive Pulmonary Diseases 490-496	3	2	6		2	2	5		6	6
45) Ulcer of Stomach and Duodenum 531-533			1				1			
46) Appendicitis 540-543										
47) Hernia & Intestinal Obstruction .. 550-553,560	1		1			1			1	1
48) Chronic Liver Disease and Cirrhosis .. 571	1		1		2	1	4	1	1	7
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1		1				1			
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	1	4	2			1	3	1	4	
51) Infections of Kidney 590								1		1
52) Hyperplasia of Prostate 600										
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676										
54) Congenital Anomalies 740-759							1			
55) Certain Conditions Originating in the Perinatal Period 760-779		2				1		2	2	3
56) Symptoms and Ill-Defined Conditions .. 780-799	1	2							1	4
57) All Other Diseases Residual	5	8	16		5	6	17	6	18	21
58) Accidents E800-E949	2	3	7			1	5	1	11	17
59) Motor Vehicle Accidents E810-E825	1	1	5			1	3	1	3	6
60) Home Accidents Home E850-E949			2				1		4	3
61) All Other Accidents E900-E907, E826-E849, Other E850-E949	1	2					1		4	8
62) Suicide E950-E959			3				4	2	1	1
63) Homicide and Legal Intervention E960-E978					2			1	1	4
64) Other External Causes E980-E999							1			1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 20
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES								
	TOTAL			Isle of Wight		Southampton		Chesapeake		Franklin City		
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	
ALL CAUSES OF DEATH	7,098	4,491	2,607	120	87	79	89	695	304	47	64	
1) Shigellosis and Amebiasis	004-006											
2) Certain Other Intestinal Infections ..	007-009	4	1	3								
3) Tuberculosis, All Forms	010-018	3	1	2								
4) Whooping Cough	033											
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035											
6) Meningococcal Infection	036	1	1									
7) Septicemia	038	106	61	45	1		1	10	3	1	1	
8) Acute Poliomyelitis	045											
9) Measles	055											
10) Viral Hepatitis	070	4	4					2				
11) Syphilis	090-097											
12) Other Infectious & Parasitic Diseases Residual of 001-139		86	50	36	1	1		4	6			
13) Malignant Neoplasms	140-208	1,770	1,143	627	24	21	23	13	168	73	12	18
14) Lip, Oral Cavity, and Pharynx	140-149	31	17	14								
15) Digestive Organs and Peritoneum	150-159	420	245	175	3	4	7	2	47	24		4
16) Respiratory & Intrathoracic Organs ..	160-165	550	386	164	11	5	8	3	55	16	8	6
17) Breast	174-175	155	110	45	3	1	2	2	14	7		1
18) Genital Organs	179-187	163	78	85	3	5			4	11	1	5
19) Urinary Organs	188-189	61	41	20	1	1			6	3	1	
20) Other & Unspecified Sites .. 170-173,190-199		242	167	75	2		4	2	25	7	2	1
21) Leukemia	204-208	51	38	13	1	1		3	7	2		
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	97	61	36	2	2	2	1	10	2		1
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	25	16	9					1	1		
24) Diabetes Mellitus	250	135	57	78	2	5		2	10	10	1	1
25) Nutritional Deficiencies	260-269	14	6	8	1	1		1				
26) Anemias	280-285	11	6	5								
27) Meningitis	320-322	5	4	1								
28) Major Cardiovascular Diseases	390-448	2,876	1,831	1,045	54	34	33	49	287	131	21	28
29) Diseases of Heart	390-398,402,404-429	2,274	1,476	798	45	29	24	35	239	101	15	24
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	13	8	5								
31) Hypertensive Heart Disease	402	81	34	47	2	3	5	1	6	7		2
32) Hypertensive Heart & Renal Disease ..	404	15	3	12		2				1		
33) Ischemic Heart Disease	410-414	1,346	948	398	28	15	15	22	178	56	5	11
34) Acute Myocardial Infarction	410	584	402	182	14	7	10	14	83	20	3	9
35) Other Ischemic Heart Disease ...	411-414	762	546	216	14	8	5	8	95	36	2	2
36) Other Diseases of Endocardium	424	21	15	6	1				1			
37) All Other Forms of Heart Disease 415-423,425-429		798	468	330	14	9	4	12	54	37	10	11
38) Hypertension	401,403	32	11	21				2	2	1		
39) Cerebrovascular Diseases	430-438	445	256	189	7	4	7	11	37	25	3	2
40) Atherosclerosis	440	45	34	11	1				2	1	2	2
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	80	54	26	1	1	2	1	7	3	1	
42) Acute Bronchitis and Bronchiolitis ...	466	1	1									
43) Pneumonia and Influenza	480-487	181	140	41	4	2	2	1	23	8		1
44) Chronic Obstructive Pulmonary Diseases	490-496	267	219	48	6	2	4		37	3	3	3
45) Ulcer of Stomach and Duodenum	531-533	16	11	5					2	1		
46) Appendicitis	540-543	1	1									
47) Hernia & Intestinal Obstruction ..	550-553,560	24	13	11				1	2	1		
48) Chronic Liver Disease and Cirrhosis ..	571	76	51	25	1	3	1		5	2	2	1
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575	7	4	3	1				2	1		
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	65	31	34	1	3	2	2	6	1	2	1
51) Infections of Kidney	590											
52) Hyperplasia of Prostate	600	2	2									
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676	1	1						1			
54) Congenital Anomalies	740-759	59	35	24		1		1	6	4		
55) Certain Conditions Originating in the Perinatal Period	760-779	142	60	82	2	4		2	7	8		
56) Symptoms and Ill-Defined Conditions ..	780-799	66	40	26					6	3		
57) All Other Diseases	Residual	602	391	211	15	7	5	4	69	23	1	4
58) Accidents	E800-E949	328	186	142	6	3	3	7	31	15	1	7
59) Motor Vehicle Accidents	E810-E825	130	75	55	5	2	3	4	15	6	1	2
60) Home Accidents	Home E850-E949	76	40	36				2	5	4		4
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	122	71	51	1	1		1	11	5		1
62) Suicide	E950-E959	108	89	19	2		4	1	9	3	1	
63) Homicide and Legal Intervention	E960-E978	108	34	74				5	7	5	1	
64) Other External Causes	E980-E999	4	1	3								

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 20
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES							
	Norfolk		Portsmouth		Suffolk		Virginia Beach	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	1,238	1,003	592	479	262	298	1,458	283
1) Shigellosis and Amebiasis	004-006							
2) Certain Other Intestinal Infections ..	007-009	1		2			1	
3) Tuberculosis, All Forms	010-018	2					1	
4) Whooping Cough	033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035							
6) Meningococcal Infection	036	1						
7) Septicemia	038	14	18	11	12	2	8	21
8) Acute Poliomyelitis	045							3
9) Measles	055							
10) Viral Hepatitis	070						2	
11) Syphilis	090-097							
12) Other Infectious & Parasitic Diseases Residual of	001-139	21	19	4	3	5	1	15
13) Malignant Neoplasms	140-208	202	239	142	111	69	85	403
14) Lip, Oral Cavity, and Pharynx	140-149	2	9	8	3	1		6
15) Digestive Organs and Peritoneum	150-159	63	69	30	30	12	25	83
16) Respiratory & Intrathoracic Organs ..	160-165	106	64	51	27	29	26	118
17) Breast	174-175	22	18	14	10	3	2	52
18) Genital Organs	179-187	19	34	9	10	7	12	35
19) Urinary Organs	188-189	15	7	3	2	2	2	13
20) Other & Unspecified Sites ..	170-173, 190-199	47	22	17	18	12	15	60
21) Leukemia	204-208	12	3	4	2	1	2	13
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues	200-203	16	13	6	9	2	1	23
23) Benign Neoplasms and Neoplasms of Unspecified Nature	210-239	6	1	3	1	1	3	5
24) Diabetes Mellitus	250	16	29	5	12	6	11	17
25) Nutritional Deficiencies	260-269	2	4			1	1	2
26) Anemias	280-285	1	3		1	1		4
27) Meningitis	320-322	2		1			1	1
28) Major Cardiovascular Diseases	390-448	522	387	252	208	117	114	545
29) Diseases of Heart	390-398, 402, 404-429	427	299	202	164	99	80	425
30) Rheumatic Fever and Rheumatic Heart Disease	390-398	3	1	2	1	1	2	2
31) Hypertensive Heart Disease	402	8	21	3	7	6	6	4
32) Hypertensive Heart & Renal Disease ..	404	1	5		1		1	2
33) Ischemic Heart Disease	410-414	263	128	137	92	43	34	279
34) Acute Myocardial Infarction	410	108	59	59	45	22	19	103
35) Other Ischemic Heart Disease	411-414	155	79	78	47	21	15	176
36) Other Diseases of Endocardium	424	5	3		1	1	1	7
37) All Other Forms of Heart Disease	415-423, 425-429	147	131	60	62	48	36	131
38) Hypertension	401, 403	4	6		5	1	3	4
39) Cerebrovascular Diseases	430-438	66	71	40	33	12	21	84
40) Atherosclerosis	440	11	2	2	1	5	5	11
41) Other Diseases of Arteries, Arterioles, and Capillaries	441-448	14	9	8	5		5	21
42) Acute Bronchitis and Bronchiolitis ...	466							
43) Pneumonia and Influenza	480-487	46	21	18	8	7	1	40
44) Chronic Obstructive Pulmonary Diseases	490-496	58	19	33	11	8	5	70
45) Ulcer of Stomach and Duodenum	531-533	5	3	3	1			1
46) Appendicitis	540-543	1						
47) Hernia & Intestinal Obstruction ..	550-553, 560	5	4	3	2		3	3
48) Chronic Liver Disease and Cirrhosis ..	571	19	11	7	6	2	1	14
49) Cholelithiasis and Other Disorders of Gall Bladder	574-575			1	1			1
50) Nephritis, Nephrotic Syndrome, and Nephrosis	580-589	8	12	6	5	2	7	4
51) Infections of Kidney	590							3
52) Hyperplasia of Prostate	600			1				1
53) Complications of Pregnancy, Childbirth, and the Puerperium	630-676							
54) Congenital Anomalies	740-759	9	8	5	3		1	15
55) Certain Conditions Originating in the Perinatal Period	760-779	15	33	5	12	1	8	30
56) Symptoms and Ill-Defined Conditions ..	780-799	10	11	7	6	1	3	16
57) All Other Diseases	Residual	99	84	53	39	26	25	123
58) Accidents	E800-E949	42	42	20	25	11	15	72
59) Motor Vehicle Accidents	E810-E825	9	13	6	12	5	5	31
60) Home Accidents	Home E850-E949	13	6	6	7	1	4	15
61) All Other Accidents	E800-E807, E826-E849, Other E850-E949	20	23	8	6	5	6	26
62) Suicide	E950-E959	27	9	10	2			36
63) Homicide and Legal Intervention	E960-E978	6	41	2	8	2	5	16
64) Other External Causes	E980-E999	1	2					10

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 21
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT			DISTRICT COUNTIES AND CITIES					
	TOTAL			James City		York		Hampton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	2,786	1,788	998	139	51	144	49	625	370
1) Shigellosis and Amebiasis 004-006									
2) Certain Other Intestinal Infections .. 007-009									
3) Tuberculosis, All Forms 010-018	2	2						1	
4) Whooping Cough 033									
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035									
6) Meningococcal Infection 036									
7) Septicemia 038	43	24	19	3	1	1	3	3	7
8) Acute Poliomyelitis 045									
9) Measles 055									
10) Viral Hepatitis 070	2	1	1						
11) Syphilis 090-097									
12) Other Infectious & Parasitic Diseases Residual of 001-139	33	13	20	2		3	3	5	9
13) Malignant Neoplasms 140-208	682	466	216	43	10	40	10	182	82
14) Lip, Oral Cavity, and Pharynx 140-149	13	7	6		1			4	
15) Digestive Organs and Peritoneum 150-159	126	80	46	8	2	3	5	33	15
16) Respiratory & Intrathoracic Organs . 160-165	209	138	71	7	5	14	1	60	26
17) Breast 174-175	76	52	24	6		4	1	19	11
18) Genital Organs 179-187	78	48	30	6		2	2	20	15
19) Urinary Organs 188-189	19	13	6	1		3		4	1
20) Other & Unspecified Sites .. 170-173, 190-199	101	81	20	10	1	11	1	24	9
21) Leukemia 204-208	28	24	4	3	1	1		7	2
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	32	23	9	2		2		11	3
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	9	5	4	1		1		3	2
24) Diabetes Mellitus 250	51	25	26	2	2	2	1	10	9
25) Nutritional Deficiencies 260-269	5	2	3						
26) Anemias 280-285	7	2	5		2				1
27) Meningitis 320-322									
28) Major Cardiovascular Diseases 390-448	1,157	761	396	42	20	57	16	268	148
29) Diseases of Heart 390-398, 402, 404-429	918	611	307	29	13	46	16	221	109
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	3		1					
31) Hypertensive Heart Disease 402	29	12	17		1	2	1	3	3
32) Hypertensive Heart & Renal Disease 404	3	2	1			1			
33) Ischemic Heart Disease 410-414	546	383	163	15	8	28	11	138	55
34) Acute Myocardial Infarction 410	243	172	71	11	2	17	4	73	30
35) Other Ischemic Heart Disease 411-414	303	211	92	4	6	11	7	65	25
36) Other Diseases of Endocardium 424	13	10	3	1				1	3
37) All Other Forms of Heart Disease 415-423, 425-429	324	201	123	12	4	15	4	79	48
38) Hypertension 401, 403	9	2	7		2				3
39) Cerebrovascular Diseases 430-438	177	111	66	9	4	8		32	25
40) Atherosclerosis 440	20	14	6	2	1	2		6	4
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	33	23	10	2		1		9	7
42) Acute Bronchitis and Bronchiolitis ... 466	2	2				1		1	
43) Pneumonia and Influenza 480-487	84	59	25	9	3	3		21	12
44) Chronic Obstructive Pulmonary Diseases 490-496	103	74	29	8	1	6	4	29	8
45) Ulcer of Stomach and Duodenum 531-533	9	8	1	2				2	
46) Appendicitis 540-543									
47) Hernia & Intestinal Obstruction .. 550-553, 560	14	10	4	1		2		3	3
48) Chronic Liver Disease and Cirrhosis .. 571	33	23	10	4	2			8	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	2	1	1					1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	31	14	17	1	2	2		4	8
51) Infections of Kidney 590	1		1						1
52) Hyperplasia of Prostate 600									
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676	1		1						
54) Congenital Anomalies 740-759	28	13	15		2		1	5	2
55) Certain Conditions Originating in the Perinatal Period 760-779	43	16	27		1	3		5	9
56) Symptoms and Ill-Defined Conditions .. 780-799	30	20	10	2		1	1	4	2
57) All Other Diseases Residual	197	127	70	10	1	11	5	35	32
58) Accidents E800-E949	115	54	61	2	4	6	3	15	23
59) Motor Vehicle Accidents E810-E825	42	21	21		1	4	2	4	10
60) Home Accidents Home E850-E949	29	13	16		1			5	6
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	44	20	24	2	2	2	1	6	7
62) Suicide E950-E959	63	54	9	7		4		13	3
63) Homicide and Legal Intervention E960-E978	34	9	25				2	5	7
64) Other External Causes E980-E999	5	3	2			1		2	1

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 21
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	DISTRICT COUNTIES AND CITIES					
	Newport News		Poquoson		Williamsburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES OF DEATH	729	506	58	3	93	19
1) Shigellosis and Amebiasis 004-006						
2) Certain Other Intestinal Infections .. 007-009						
3) Tuberculosis, All Forms 010-018	1					
4) Whooping Cough 033						
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035						
6) Meningococcal Infection 036						
7) Septicemia 038	16	8			1	
8) Acute Poliomyelitis 045						
9) Measles 055						
10) Viral Hepatitis 070	1	1				
11) Syphilis 090-097						
12) Other Infectious & Parasitic Diseases Residual of 001-139	2	7			1	1
13) Malignant Neoplasms 140-208	165	107	18	2	18	5
14) Lip, Oral Cavity, and Pharynx 140-149	3	5				
15) Digestive Organs and Peritoneum 150-159	30	22	4		2	2
16) Respiratory & Intrathoracic Organs .. 160-165	46	38	6	1	5	
17) Breast 174-175	19	12	2		2	
18) Genital Organs 179-187	16	11	4	1		1
19) Urinary Organs 188-189	4	5			1	
20) Other & Unspecified Sites .. 170-173, 190-199	32	8	1		3	1
21) Leukemia 204-208	8	1	1		4	
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	7	5			1	1
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239		2				
24) Diabetes Mellitus 250	10	14			1	
25) Nutritional Deficiencies 260-269	1	3			1	
26) Anemias 280-285	2	2				
27) Meningitis 320-322						
28) Major Cardiovascular Diseases 390-448	320	204	28		46	8
29) Diseases of Heart 390-398, 402, 404-429	259	164	24		32	5
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	1		1			
31) Hypertensive Heart Disease 402	7	12				
32) Hypertensive Heart & Renal Disease .. 404	1	1				
33) Ischemic Heart Disease 410-414	174	87	13		15	2
34) Acute Myocardial Infarction 410	60	35	4		7	
35) Other Ischemic Heart Disease ... 411-414	114	52	9		8	2
36) Other Diseases of Endocardium 424	6				2	
37) All Other Forms of Heart Disease 415-423, 425-429	70	64	10		15	3
38) Hypertension 401, 403	2	2				
39) Cerebrovascular Diseases 430-438	48	34	4		10	3
40) Atherosclerosis 440	3	1			1	
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	8	3			3	
42) Acute Bronchitis and Bronchiolitis ... 466						
43) Pneumonia and Influenza 480-487	21	10	1		4	
44) Chronic Obstructive Pulmonary Diseases 490-496	27	16	3		1	
45) Ulcer of Stomach and Duodenum 531-533	2	1			2	
46) Appendicitis 540-543						
47) Hernia & Intestinal Obstruction .. 550-553, 560	4	1				
48) Chronic Liver Disease and Cirrhosis .. 571	9	7	1		1	
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575		1				
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	4	6	1		2	1
51) Infections of Kidney 590						
52) Hyperplasia of Prostate 600						
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676		1				
54) Congenital Anomalies 740-759	7	10			1	
55) Certain Conditions Originating in the Perinatal Period 760-779	7	16			1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	11	7	1		1	
57) All Other Diseases Residual	62	32	2		7	
58) Accidents E800-E949	24	28	3	1	4	2
59) Motor Vehicle Accidents E810-E825	11	8	1		1	
60) Home Accidents Home E850-E949	3	8	2		3	1
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	10	12		1		1
62) Suicide E950-E959	29	6			1	
63) Homicide and Legal Intervention E960-E978	4	15				1
64) Other External Causes E980-E999	1					

TABLE 46
DEATHS TO RESIDENTS OF VIRGINIA PLANNING DISTRICT 22
BY CAUSE OF DEATH AND BY RACE
VIRGINIA, 1989

CAUSE OF DEATH BY INTERNATIONAL CLASSIFICATION OF DISEASES, NINTH REVISION	PLANNING DISTRICT TOTAL			DISTRICT COUNTIES			
	Total	White	Nonwh	Accomack White	Nonwh	Northampton White	Nonwh
ALL CAUSES OF DEATH	634	387	247	281	155	106	92
1) Shigellosis and Amebiasis 004-006							
2) Certain Other Intestinal Infections .. 007-009							
3) Tuberculosis, All Forms 010-018	1	1		1			
4) Whooping Cough 033							
5) Streptococcal Sore Throat, Scarlatina, and Erysipelas 034-035							
6) Meningococcal Infection 036							
7) Septicemia 038	9	4	5	3	4	1	1
8) Acute Poliomyelitis 045							
9) Measles 055							
10) Viral Hepatitis 070							
11) Syphilis 090-097	1	1		1			
12) Other Infectious & Parasitic Diseases Residual of 001-139	7	3	4	3	3		1
13) Malignant Neoplasms 140-208	164	100	64	72	35	28	29
14) Lip, Oral Cavity, and Pharynx 140-149	4	3	1	2	1	1	
15) Digestive Organs and Peritoneum 150-159	34	18	16	11	12	7	4
16) Respiratory & Intrathoracic Organs . 160-165	53	33	20	24	9	9	11
17) Breast 174-175	15	9	6	8	6	1	
18) Genital Organs 179-187	18	9	9	6	4	3	5
19) Urinary Organs 188-189	7	3	4	2	2	1	2
20) Other & Unspecified Sites .. 170-173, 190-199	18	14	4	11		3	4
21) Leukemia 204-208	4	3	1	2		1	1
22) Other Neoplasms of Lymphatic and Hematopoietic Tissues 200-203	11	8	3	6	1	2	2
23) Benign Neoplasms and Neoplasms of Unspecified Nature 210-239	1	1				1	
24) Diabetes Mellitus 250	14	7	7	7	6		1
25) Nutritional Deficiencies 260-269	2	1	1	1	1		
26) Anemias 280-285	3	1	2	1	2		
27) Meningitis 320-322	1	1				1	
28) Major Cardiovascular Diseases 390-448	270	177	93	128	58	49	35
29) Diseases of Heart 390-398, 402, 404-429	212	141	71	104	46	37	25
30) Rheumatic Fever and Rheumatic Heart Disease 390-398	3	2	1	1	1	1	
31) Hypertensive Heart Disease 402	21	16	5	15	3	1	2
32) Hypertensive Heart & Renal Disease . 404	1		1		1		
33) Ischemic Heart Disease 410-414	115	74	41	51	25	23	16
34) Acute Myocardial Infarction 410	81	52	29	36	16	16	13
35) Other Ischemic Heart Disease ... 411-414	34	22	12	15	9	7	3
36) Other Diseases of Endocardium 424							
37) All Other Forms of Heart Disease 415-423, 425-429	72	49	23	37	16	12	7
38) Hypertension 401, 403	5	2	3	1	2	1	1
39) Cerebrovascular Diseases 430-438	45	28	17	18	8	10	9
40) Atherosclerosis 440	1		1		1		
41) Other Diseases of Arteries, Arterioles, and Capillaries 441-448	7	6	1	5	1	1	
42) Acute Bronchitis and Bronchiolitis ... 466							
43) Pneumonia and Influenza 480-487	16	11	5	9	3	2	2
44) Chronic Obstructive Pulmonary Diseases 490-496	22	18	4	13	1	5	3
45) Ulcer of Stomach and Duodenum 531-533	1	1				1	
46) Appendicitis 540-543							
47) Hernia & Intestinal Obstruction .. 550-553, 560	1	1		1			
48) Chronic Liver Disease and Cirrhosis .. 571	3	2	1	1		1	1
49) Cholelithiasis and Other Disorders of Gall Bladder 574-575	1	1				1	
50) Nephritis, Nephrotic Syndrome, and Nephrosis 580-589	9	2	7	1	6	1	1
51) Infections of Kidney 590							
52) Hyperplasia of Prostate 600							
53) Complications of Pregnancy, Childbirth, and the Puerperium 630-676							
54) Congenital Anomalies 740-759	2		2				2
55) Certain Conditions Originating in the Perinatal Period 760-779	6	1	5		4	1	1
56) Symptoms and Ill-Defined Conditions .. 780-799	5	3	2	3	1		1
57) All Other Diseases Residual	62	36	26	26	17	10	9
58) Accidents E800-E949	28	11	17	9	12	2	3
59) Motor Vehicle Accidents E810-E825	15	6	9	6	7		2
60) Home Accidents NOME E850-E949	4	1	3	1	2		1
61) All Other Accidents E800-E807, E826-E849, Other E850-E949	9	4	5	2	3	2	2
62) Suicide E950-E959	3	2	1	1	1	1	
63) Homicide and Legal Intervention E960-E976	2	2		1		1	
64) Other External Causes E980-E999							

TABLE 47
MARRIAGES BY PLACE OF OCCURRENCE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM
BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	PLACE OF MARRIAGE*			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	69,001	55,647	13,354	69,001	55,908	13,093	69,001	55,647	13,354
DISTRICT 1	1,318	1,294	24	861	850	11	789	780	9
LEE	280	277	3	218	218		200	197	3
SCOTT	344	340	4	190	189	1	155	155	
WISE	633	619	14	434	426	8	416	411	5
NORTH	61	60	1	19	17	2	18	17	1
DISTRICT 2	1,855	1,811	44	1,141	1,129	12	1,081	1,065	16
BUCHANAN	579	578	1	303	303		277	277	
DICKENSON	284	281	3	165	164	1	168	167	1
RUSSELL	320	315	5	270	266	4	257	251	6
TAZEWELL	672	637	35	403	396	7	379	370	9
DISTRICT 3	2,299	2,241	58	1,621	1,584	37	1,577	1,542	35
BLAND	120	117	3	48	48		62	60	2
CARROLL	326	325	1	258	254	4	249	245	4
GRAYSON	201	196	5	138	134	4	130	129	1
SMYTH	364	358	6	339	335	4	336	330	6
WASHINGTON	538	531	7	433	425	8	395	392	3
WYTHE	374	360	14	253	244	9	250	241	9
BRISTOL	328	309	19	142	134	8	139	131	8
GALAX	48	45	3	10	10		16	14	2
DISTRICT 4	2,746	2,621	125	1,292	1,234	58	1,252	1,186	66
FLOYD	106	103	3	98	96	2	101	98	3
GILES	1,535	1,487	48	145	144	1	150	149	1
MONTGOMERY	605	550	55	598	560	38	586	540	46
PULASKI	380	368	12	339	330	9	317	307	10
RADFORD	120	113	7	112	104	8	98	92	6
DISTRICT 5	2,876	2,652	224	2,399	2,216	183	2,274	2,076	198
ALLEGHANY	108	105	3	174	170	4	144	139	5
BOTETOURT	177	175	2	182	179	3	176	174	2
CRAIG	35	35		36	36		32	32	
ROANOKE	775	733	42	640	628	12	595	577	18
CLIFTON FORGE	148	142	6	41	39	2	38	37	1
COVINGTON	317	306	11	53	52	1	48	47	1
ROANOKE CITY	900	751	149	1,051	893	158	996	835	161
SALEM	416	405	11	262	259	3	245	235	10
DISTRICT 6	2,320	2,220	100	1,935	1,862	73	1,905	1,824	81
AUGUSTA	452	442	10	434	428	6	432	425	7
BATH	179	176	3	38	37	1	38	35	3
HIGHLAND	50	50		9	9		9	9	
ROCKBRIDGE	132	127	5	158	157	1	161	155	6
ROCKINGHAM	593	581	12	554	542	12	548	538	10
BUENA VISTA	72	72		55	54	1	47	47	
HARRISONBURG	219	204	15	239	225	14	236	221	15
LEXINGTON	109	104	5	19	19		22	21	1
STAUNTON	310	279	31	232	212	20	238	209	29
WAYNESBORO	204	185	19	197	179	18	174	164	10
DISTRICT 7	3,458	3,332	126	1,505	1,453	52	1,474	1,410	64
CLARKE	127	119	8	94	93	1	102	98	4
FREDERICK	244	242	2	407	401	6	390	382	8
PAGE	204	200	4	192	186	6	181	176	5
SHEWANBOAM	377	376	1	308	308		298	297	1
WARREN	288	275	13	272	258	14	274	257	17
WINCHESTER	2,218	2,120	98	232	205	27	229	200	29
DISTRICT 8	16,178	12,607	3,571	12,750	10,664	2,086	12,238	10,224	2,014
ARLINGTON	3,335	2,340	995	1,958	1,570	388	1,993	1,604	389
FAIRFAX	6,160	5,222	938	6,398	5,391	1,007	5,935	5,015	920
LOUDOUN	889	821	68	733	684	49	715	658	57
PRINCE WILLIAM	1,575	1,351	224	2,189	1,927	262	2,208	1,945	263
ALEXANDRIA	3,255	1,987	1,268	1,257	903	354	1,188	829	359
FAIRFAX CITY	68	60	8	118	105	13	113	99	14
FALLS CHURCH	400	379	21	84	72	12	69	59	10
MANASSAS	485	436	49	11	10	1	16	14	2
MANASSAS PARK	11	11		2	2		1	1	
DISTRICT 9	1,233	1,074	159	1,002	892	110	1,001	876	125
CULPEPER	256	212	44	251	219	32	260	222	38
FAUQUIER	541	483	58	423	383	40	417	368	49
MADISON	102	88	14	90	85	5	91	83	8
ORANGE	263	223	40	188	157	31	181	152	29
RAPPAHANNOCK	71	68	3	50	48	2	52	51	1
DISTRICT 10	1,500	1,291	209	1,377	1,191	186	1,381	1,180	201
ALBEMARLE	497	445	52	566	515	51	572	525	47
FLUVANNA	87	69	18	105	89	16	95	78	17
GREENE	73	71	2	79	75	4	82	79	3
LOUISA	183	150	33	168	138	30	170	136	34
NELSON	111	100	11	106	94	12	108	92	16
CHARLOTTESVILLE	549	456	93	353	280	73	354	270	84
DISTRICT 11	1,773	1,502	271	1,707	1,466	241	1,622	1,381	241
AMHERST	244	207	37	222	188	34	208	175	33
APPOMATTOX	107	81	26	111	79	32	111	84	27
BEDFORD	343	309	34	375	355	20	359	335	24
CAMPBELL	317	274	43	462	420	42	440	397	43
BEDFORD CITY	21	19	2	22	15	7	25	20	5
LYNCHBURG	741	612	129	515	409	106	479	372	107

* Refers to the Race of the Groom

(continued)

TABLE 47
MARRIAGES BY PLACE OF OCCURRENCE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM
BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT CITY / COUNTY	PLACE OF MARRIAGE*			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	69,001	55,647	13,354	69,001	55,908	13,093	69,001	55,647	13,354
DISTRICT 12	2,511	1,979	532	2,165	1,714	451	2,056	1,629	427
FRANKLIN	359	316	43	331	292	39	336	304	32
HENRY	443	386	57	633	533	100	584	492	92
PATRICK	170	165	5	130	123	7	138	130	8
PYTSYLVANIA	473	354	119	455	362	93	419	312	107
DANVILLE	629	439	190	471	309	162	436	296	140
MARTINSVILLE	437	319	118	145	95	50	143	95	48
DISTRICT 13	773	478	295	611	386	225	620	381	239
BRUNSWICK	141	81	60	111	45	66	128	51	77
HALIFAX	312	207	105	295	207	88	291	192	99
MECKLENBURG	267	174	93	202	131	71	199	136	63
SOUTH BOSTON	53	36	17	3	3		2	2	
DISTRICT 14	746	475	271	644	421	223	660	431	229
AMELIA	54	43	11	69	50	19	58	38	20
BUCKINGHAM	101	61	40	86	56	30	95	64	31
CHARLOTTE	111	68	43	92	57	35	106	68	38
CUMBERLAND	56	36	20	66	49	17	64	45	19
LUNEBURG	90	59	31	91	59	32	82	55	27
NOTTOWAY	162	101	61	113	73	40	126	82	44
PRINCE EDWARD	162	107	55	127	77	50	129	79	50
DISTRICT 15	6,656	4,999	1,657	6,844	5,183	1,661	6,565	4,900	1,665
CHARLES CITY COUNTY	78	39	39	41	11	30	49	21	28
CHESTERFIELD	1,389	1,246	143	1,813	1,625	188	1,719	1,533	186
GOOCHLAND	144	107	37	103	76	27	108	75	33
HANOVER	527	465	62	542	495	47	539	486	53
HENRICO	1,781	1,344	437	2,202	1,827	375	1,984	1,637	347
NEW KENT	94	78	16	98	85	13	100	81	19
POWHATAN	152	123	29	118	100	18	122	104	18
RICHMOND CITY	2,491	1,597	894	1,927	964	963	1,944	963	981
DISTRICT 16	1,602	1,374	228	1,539	1,344	195	1,505	1,293	212
CAROLINE	180	113	67	163	104	59	158	109	49
KING GEORGE	154	129	25	125	103	22	122	99	23
SPOTSYLVANIA	373	334	39	528	485	43	512	452	60
STAFFORD	501	467	34	495	475	20	496	465	31
FREDERICKSBURG	394	331	63	228	177	51	217	168	49
DISTRICT 17	413	274	139	343	225	118	344	223	121
LANCASTER	112	75	37	87	55	32	81	47	34
NORTHUMBERLAND	86	60	26	66	46	20	69	50	19
RICHMOND	57	40	17	50	35	15	57	38	19
WESTMORELAND	158	99	59	140	89	51	137	88	49
DISTRICT 18	557	444	113	494	402	92	506	401	105
ESSEX	87	44	43	67	48	19	69	39	30
GLOUCESTER	217	187	30	224	197	27	198	172	26
KING & QUEEN	58	35	23	40	21	19	48	31	17
KING WILLIAM	81	63	18	68	55	13	83	68	15
MATHEWS	73	65	8	51	47	4	54	46	8
MIDDLESEX	61	50	11	44	34	10	54	45	9
DISTRICT 19	1,973	1,166	807	1,400	864	536	1,421	876	545
DINWIDDIE	136	87	49	186	127	59	190	125	65
GREENSVILLE	51	17	34	66	27	39	74	29	45
PRINCE GEORGE	215	140	75	197	146	51	210	148	62
SURRY	42	15	27	60	32	28	72	39	33
SUSSEX	80	38	42	73	34	39	68	34	34
COLONIAL HEIGHTS	262	252	10	189	187	2	162	158	4
EMPORIA	362	167	195	52	21	31	49	24	25
HOPEWELL	277	218	59	257	199	58	242	204	38
PETERSBURG	548	232	316	320	91	229	354	115	239
DISTRICT 20	11,209	8,234	2,975	10,006	7,336	2,670	9,842	7,227	2,615
ISLE OF WIGHT	183	126	57	198	148	50	206	146	60
SOUTHAMPTON	165	88	77	121	70	51	134	78	56
CHESAPEAKE	1,169	876	293	1,349	1,004	345	1,246	908	338
FRANKLIN CITY	39	28	11	55	37	18	44	27	17
NORFOLK	3,638	2,321	1,317	2,837	1,792	1,045	3,104	1,965	1,139
PORTSMOUTH	1,066	626	440	877	525	352	818	519	299
SUFFOLK	482	281	201	409	230	179	385	225	160
VIRGINIA BEACH	4,467	3,888	579	4,160	3,530	630	3,905	3,359	546
DISTRICT 21	4,430	3,195	1,235	3,746	2,601	1,145	3,688	2,576	1,112
JAMES CITY COUNTY	133	93	40	295	240	55	295	232	63
YORK	300	250	42	296	260	36	276	240	36
HAMPTON	1,331	931	400	1,231	790	441	1,186	795	391
NEWPORT NEWS	1,946	1,260	686	1,762	1,175	587	1,793	1,189	604
POQUOSON	81	79	2	82	81	1	79	59	
WILLIAMSBURG	639	574	65	80	55	25	79	61	18
DISTRICT 22	444	294	150	364	231	133	342	214	128
ACCOMACK	330	230	100	267	181	86	255	167	88
NORTHAMPTON	114	64	50	97	50	47	87	47	40
UNKNOWN	110	78	32	5	4	1	1		
OUT-OF-STATE	21	12	9	13,250	10,656	2,594	14,857	11,952	2,905

* Refers to the Race of the Groom

TABLE 48
MARRIAGES BY TYPE OF CEREMONY BY MONTH
VIRGINIA, 1989

Month	Total	Type of Ceremony		
		Religious	Civil	Unknown
<u>TOTAL</u>	<u>69,001</u>	<u>42,696</u>	<u>26,236</u>	<u>69</u>
January	3,349	1,671	1,678	
February	3,944	2,064	1,879	1
March	4,478	2,405	2,071	2
April	5,773	3,711	2,062	
May	6,945	4,519	2,426	
June	7,637	5,081	2,554	2
July	6,777	4,371	2,404	2
August	6,331	4,028	2,303	
September	7,201	4,909	2,289	3
October	5,996	3,781	2,200	15
November	4,814	2,850	1,941	23
December	5,756	3,306	2,429	21

TABLE 49
MARRIAGES BY PREVIOUS MARITAL STATUS OF BRIDE
BY PREVIOUS MARITAL STATUS OF GROOM
ACCORDING TO RACE OF GROOM
VIRGINIA, 1989

Previous Marital Status of Groom	Total	Previous Marital Status of Bride				
		Single	Widowed	Divorced	Annulled	Unknown
<u>TOTAL</u>	<u>69,001</u>	<u>43,561</u>	<u>2,197</u>	<u>23,067</u>	<u>7</u>	<u>169</u>
Single	44,387	35,554	360	8,373	3	97
Widowed	1,900	237	791	868		4
Divorced	22,598	7,716	1,040	13,805	3	34
Annulled	6	3	1	1	1	
Unknown	110	51	5	20		34
<u>WHITE</u>	<u>55,647</u>	<u>33,605</u>	<u>1,849</u>	<u>20,052</u>	<u>5</u>	<u>136</u>
Single	34,573	27,243	267	6,983	3	77
Widowed	1,575	159	686	727		3
Divorced	19,408	6,163	891	12,326	1	27
Annulled	5	2	1	1	1	
Unknown	86	38	4	15		29
<u>NONWHITE</u>	<u>13,354</u>	<u>9,956</u>	<u>348</u>	<u>3,015</u>	<u>2</u>	<u>33</u>
Single	9,814	8,311	93	1,390		20
Widowed	325	78	105	141		1
Divorced	3,190	1,553	149	1,479	2	7
Annulled	1	1				
Unknown	24	13	1	5		5

TABLE 50
MARRIAGES BY AGE OF BRIDE BY AGE OF GROOM IN YEARS
VIRGINIA, 1989

AGE OF GROOM	TOTAL	AGE OF BRIDE																												UNK				
		<15	15-19					20-24					25-29					30-34					35-44		45-54		55-64		65-74		75 UP			
TOTAL	69,001	23	101	710	1,127	3,394	3,673	3,837	3,809	4,247	4,069	4,073	3,945	3,522	3,092	2,808	2,583	2,291	2,074	1,886	1,748	1,540	5,965	3,715	2,103	1,005	601	447	319	149	120	15		
<15																																		
15	4	1		2																														
16	55	2	17	15	9	4	4	1	1								1																	
17	249	5	12	43	59	59	18	8	5	3	1							1		1														
18	1,196	8	23	139	173	334	242	112	62	23	14	12	15	6	5	5	5	1	3	4	3	1	2	3							1	1		
19	2,144	5	16	131	221	584	503	280	154	76	48	29	24	15	11	9	11	4	2	2	2	5	8	3								1		
20	2,888	4	10	119	187	573	616	506	286	171	116	83	49	34	30	16	16	14	9	7	6	5	11	4	2						1	1		
21	3,402	4	8	74	150	525	578	594	460	318	180	135	91	67	47	45	21	19	13	11	10	13	22	12	2	1					2			
22	3,844	1	7	70	93	387	426	516	554	587	372	239	138	117	80	51	47	30	35	22	18	13	22	13	1	1					4			
23	4,022	1	1	28	61	265	351	444	536	621	537	350	215	161	99	76	61	39	31	30	20	23	51	13	4	1					1	2		
24	4,210	1	2	26	50	187	280	349	450	556	555	501	343	221	152	125	82	78	45	35	26	29	79	31	3	1					2	1		
25	4,166	1	3	16	31	133	178	253	292	486	497	543	507	318	218	138	124	86	66	70	53	31	77	29	10	4						4		
26	3,905		1	8	31	94	119	203	257	347	384	445	471	428	291	188	153	106	89	64	44	36	107	26	8						3	1		
27	3,504			11	17	46	82	143	168	248	291	379	440	348	346	226	154	130	98	93	69	34	132	31	12	3					2			
28	3,254		1	5	8	39	59	98	132	193	242	297	353	343	312	287	212	139	104	90	77	50	147	53	6	3	2					2		
29	3,038			7	5	40	58	69	96	146	203	217	274	289	268	269	269	169	130	106	92	69	180	65	8	4					2		3	
30	2,602		2	3		32	36	54	77	101	131	176	196	216	202	219	215	225	161	98	102	73	200	62	18	2	1							
31	2,290		1	2	8	18	37	38	53	82	111	132	171	176	183	184	188	173	154	129	91	65	216	55	13	5					2		3	
32	2,102		1	3	5	13	20	31	44	58	80	118	134	141	173	165	150	172	156	133	99	87	230	67	17	3					2			
33	1,889				3	12	11	28	41	51	67	84	73	119	127	126	132	135	144	140	127	84	254	98	24	5	1				1	1		
34	1,796		1	1		9	12	17	21	33	57	64	92	88	107	129	118	138	122	124	104	108	303	94	38	10	1					5		
35-39	6,699			3	4	18	22	52	71	101	118	183	232	274	282	335	401	378	423	400	439	400	1,679	630	207	30	7				4	2	1	2
40-44	4,449				7	8		15	29	31	41	54	83	112	96	148	136	165	180	205	224	256	1,205	965	363	104	10				5	4	1	2
45-49	2,771	1		2	3	1		4	13	8	14	19	26	36	32	47	59	54	62	79	84	96	608	766	552	152	38				8	5	2	
50-54	1,631			1	2			3	3	2	4	6	7	9	21	10	17	21	27	28	39	37	251	394	399	235	80				25	6	3	1
55-59	1,023			1	1			2		1	1	2	1	4	3	5	6	10	14	7	13	16	99	171	228	203	156				56	15	5	3
60-64	733			1	2								2		4	2	2	1	5	5	6	4	42	80	117	138	147				111	47	13	4
65-69	550				1						1	1			1	1				2	1		21	29	51	58	96				141	98	35	12
70-74	300												2									9	15	12	28	39					59	90	34	10
75 UP	274			1	1	1	1	1	1	1	1	1	2			1	2	1		2	1	2	6	9	8	14	20				36	51	56	54
UNK	11				1			3			1	2	1			1							2											

TABLE 51
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND AND CAUSE OF DIVORCE
BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison- ment	Other and Unknown	Annul- ments
STATE OF VIRGINIA	25,808	21,644	4,164	24,397	636	290	60	338	87
DISTRICT 1	441	437	4	412	19	6		3	1
LEE	103	103		99	4				
SCOTT	108	107	1	102	3			3	
WISE	230	227	3	211	12	6			1
NORTON									
DISTRICT 2	470	463	7	432	18	8	1	8	3
BUCHANAN	105	105		94	2	2		4	3
DICKENSON	68	68		63	1	3	1		
RUSSELL	109	109		103	4			2	
TAZEWELL	188	181	7	172	11	3		2	
DISTRICT 3	821	808	13	762	23	14	6	15	1
BLAND	28	27	1	25	1	1		1	
CARROLL	141	140	1	132	2	2	1	4	
GRAYSON	98	96	2	90	3	4			1
SMYTH	177	176	1	168	6		1	2	
WASHINGTON	199	196	3	184	4	4	2	5	
WYTHE	107	105	2	95	5	3	2	2	
BRISTOL	71	68	3	68	2			1	
GALAX									
		(Included with Carroll and Grayson Counties)							
DISTRICT 4	609	584	25	557	22	9		19	2
FLOYD	53	52	1	44	4	1		4	
GILES	79	76	3	69	2	1		7	
MONTGOMERY	268	256	12	246	10	5		5	2
PULASKI	164	159	5	156	3	2		3	
RADFORD	45	41	4	42	3				
DISTRICT 5	1,262	1,140	122	1,125	65	11	3	55	3
ALLEGHANY	107	102	5	81	2	3		21	
BOTETOURT	106	105	1	102	3				1
CRAIG	16	16		15				1	
ROANOKE	313	305	8	299	13	1			
CLIFTON FORGE	19	17	2	19					
COVINGTON				(Included with Alleghany County)					
ROANOKE CITY	564	463	101	474	47	7	3	32	1
SALEM	137	132	5	135				1	1
DISTRICT 6	834	814	20	793	11	16	2	9	3
AUGUSTA	209	207	2	198	1	5	2	1	
BATH	23	22	1	19	3			1	
HIGHLAND	5	5		5					
ROCKBRIDGE	68	66	2	60	3	1		3	1
ROCKINGHAM	293	289	4	283	1	6		2	1
BUENA VISTA	28	28		24		2		1	
HARRISONBURG				(Included with Rockingham County)					
LEXINGTON				(Included with Rockbridge County)					
STAUNTON	114	108	6	111		2			1
WAYNESBORO	94	89	5	93				1	
DISTRICT 7	700	681	19	668	2	2	3	10	1
CLARKE	47	46	1	46				1	
FREDERICK	189	185	4	183	3	1	1	1	
PAGE	90	86	4	76	5	3		5	1
SHENANDOAH	149	147	2	144		3	1	1	
WARREN	113	109	4	109	1	2		1	
WINCHESTER	112	108	4	110			1	1	
DISTRICT 8	5,485	4,722	763	5,280	92	43	14	35	21
ARLINGTON	691	557	134	666	11	7	1	3	
FAIRFAX	2,875	2,520	355	2,780	42	23	6	17	7
LOUDOUN	351	330	21	336	5	6	2	1	1
PRINCE WILLIAM	1,043	941	102	1,016	13	5	2	2	5
ALEXANDRIA	525	374	151	482	21	2	3	12	5
FAIRFAX CITY				(Included with Fairfax County)					
FALLS CHURCH				(Included with Fairfax County)					
MANASSAS				(Included with Prince William County)					
MANASSAS PARK				(Included with Prince William County)					
DISTRICT 9	510	460	50	476	10	15		8	1
CULPEPER	120	109	11	104	3	6		6	1
FAUQUIER	227	201	26	220	3	4			
MADISON	46	42	4	42	1	3			
ORANGE	92	84	8	87	2	2		1	
RAPPAHANNOCK	25	24	1	23	1			1	
DISTRICT 10	608	524	84	580	10	9	1	5	3
ALBEMARLE	247	222	25	235	6	2		4	2
FLUVANNA	50	44	6	46	1	2		1	
GREEVE	29	28	1	28		1			
LOUISA	70	54	16	50					1
NELSON	52	46	6	50	1				
CHARLOTTESVILLE	160	130	30	151	2	4	1	2	
DISTRICT 11	859	766	93	767	24	43	6	19	
AMHERST	97	85	12	87	3	4	1	2	
APPOMATTOX	36	30	6	34		2			
BEDFORD	247	233	14	220	7	11	1	8	
CAMPBELL	240	226	14	210	10	13	1	6	
BEDFORD CITY				(Included with Bedford County)					
LYNCHBURG	239	192	47	216	4	13	3	3	

(continued)

TABLE 51
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND AND CAUSE OF DIVORCE
BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					Annul- ments
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison- ment	Other and Unknown	
STATE OF VIRGINIA	25,808	21,644	4,164	24,397	636	290	60	338	87
DISTRICT 12	1,004	819	185	940	36	8	3	17	
FRANKLIN	131	125	6	115	7	1	1	7	
HENRY	302	252	50	282	12	2	1	5	
PATRICK	72	69	3	69	2	1			
PITTSYLVANIA	221	180	41	212	6	2		1	
DANVILLE	224	161	63	208	9	2	1	4	
MARTINSVILLE	54	32	22	54					
DISTRICT 13	258	183	75	248	4	2		2	2
BRUNSWICK	38	22	16	34	2	1		1	
HALIFAX	127	87	40	121	2	1		1	2
MECKLENBURG	93	74	19	93					
SOUTH BOSTON				(Included with Halifax County)					
DISTRICT 14	280	188	92	273	5		2		
AMELIA	35	25	10	35					
BUCKINGHAM	34	22	12	33	1				
CHARLOTTE	43	28	15	43					
CUMBERLAND	29	22	7	28	1				
LUNENBURG	41	23	18	40			1		
NOTTOWAY	57	41	16	55	1		1		
PRINCE EDWARD	41	27	14	39	2				
DISTRICT 15	3,249	2,492	757	3,103	66	32	8	26	14
CHARLES CITY COUNTY	16	6	10	16					
CHESTERFIELD	993	900	33	941	26	16		9	1
GOOCHLAND	44	35	9	41			1	1	1
HAMOVER	268	247	21	256	2	5	1	4	
HENRICO	956	791	165	917	18	9	2	6	5
NEW KENT	44	40	4	42	2				
POWhatan	58	53	5	56		1		1	
RICHMOND CITY	870	420	450	834	18	2	4	5	7
DISTRICT 16	720	651	69	686	12	8	1	13	
CAROLINE	77	60	17	69	3	1	1	4	
KING GEORGE	46	37	9	45				1	
SPOTSYLVANIA	265	248	17	259	4	1	1		
STAFFORD	260	244	16	246	5	4		5	
FREDERICKSBURG	72	62	10	67		2		3	
DISTRICT 17	139	101	38	132	2	1		4	
LANCASTER	36	21	15	33	1			2	
NORTHUMBERLAND	21	17	4	19				2	
RICHMOND	22	18	4	22					
WESTMORELAND	60	45	15	58	1	1			
DISTRICT 18	302	269	33	287	1	3		7	4
ESSEX	29	24	5	29					
GLOUCESTER	149	146	3	142	1	2		3	1
KING & QUEEN	14	8	6	12					2
KING WILLIAM	35	28	7	34					1
MATHEWS	34	29	5	32		1		1	
MIDDLESEX	41	34	7	38				3	
DISTRICT 19	651	441	210	619	14	6		10	2
DINWIDDIE	30	23	7	28				1	
GREENSVILLE	47	28	19	45	1	1			
PRINCE GEORGE	109	88	21	104	3	1		1	
SURRY	20	13	7	19	1				
SUSSEX	33	23	10	32		1			
COLONIAL HEIGHTS	80			71	4			5	
EMPORIA				(Included with Greensville County)					
HOPEWELL	131	112	19	125		3		1	2
PETERSBURG	141	34	107	137	2			2	
DISTRICT 20	4,658	3,678	980	4,367	173	32	7	60	19
ISLE OF WIGHT	97	76	21	86	6		1	4	
SOUTHAMPTON	70	53	17	69				1	
CHESAPEAKE	657	532	125	629	16	2	2	7	1
FRANKLIN CITY				(Included with Southampton County)					
NORFOLK	1,173	798	375	1,079	54	6	1	25	8
PORTSMOUTH	464	283	181	428	20	6	1	7	2
SUFFOLK	157	102	55	148	7			1	1
VIRGINIA BEACH	2,040	1,834	206	1,928	70	18	2	15	7
DISTRICT 21	1,788	1,314	474	1,731	20	14	3	13	7
JAMES CITY COUNTY	120	109	11	117	2		1		
YORK	208	183	25	201	2	1		4	
HAMPTON	541	373	168	522	9	4		4	2
NEWPORT NEWS	871	606	265	846	7	8	2	3	5
POQUOSON				(Included with York County)					
WILLIAMSBURG	48	43	5	45		1		2	
DISTRICT 22	160	109	51	159		1			
ACCOMACK	121	88	33	120		1			
NORTHAMPTON	39	21	18	39					

TABLE 52
DIVORCES AND ANNULMENTS BY RACE BY MONTH OF DECREE
VIRGINIA, 1989

Month	DIVORCES AND ANNULMENTS			ANNULMENTS ONLY		
	Total	White	Nonwh	Total	White	Nonwh
<u>TOTAL</u>	<u>25,808</u>	<u>21,644</u>	<u>4,164</u>	<u>87</u>	<u>62</u>	<u>25</u>
January	1,807	1,512	295	6	5	1
February	1,657	1,387	270	4	3	1
March	2,239	1,880	359	6	3	3
April	2,026	1,712	314	5	3	2
May	2,221	1,843	378	9	5	4
June	2,509	2,095	414	5	4	1
July	2,128	1,803	325	9	9	
August	2,293	1,885	408	8	4	4
September	2,016	1,687	329	6	5	1
October	2,304	1,933	371	12	9	3
November	2,116	1,772	344	4	2	2
December	2,492	2,135	357	13	10	3

TABLE 53
DIVORCES AND ANNULMENTS BY RACE OF HUSBAND BY PLACE OF MARRIAGE
AND BY NUMBER OF MINOR CHILDREN IN FAMILY
VIRGINIA, 1989

Place of Marriage/Minor Children	Total	White	Nonwh
<u>ALL DIVORCES AND ANNULMENTS</u>	<u>25,808</u>	<u>21,644</u>	<u>4,164</u>
<u>By Place of Marriage</u>			
State of Virginia	17,454	14,547	2,907
Outside of Virginia	8,344	7,090	1,254
State Residence Unknown	10	7	3
<u>By Number of Minor Children in Family</u>			
No Children	13,009	11,016	1,993
1 Child	6,783	5,635	1,148
2 Children	4,380	3,674	706
3 Children	1,061	847	214
4 Children	197	156	41
5 Children	22	14	8
6 Children	7	5	2
7 Children	1	1	
8 Children	1	1	
9 Children			
10 Children or More			
Children Not Stated	347	295	52

TABLE 54
DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE AND PERSON GRANTED DIVORCE
BY PLAINTIFF AND CAUSE OF DIVORCE
VIRGINIA, 1989

CAUSE	PLAINTIFF	TOTAL	DURATION OF MARRIAGE IN YEARS																GRANTED TO				
			Under 1 Year	1-4				5-9				10- 14	15- 19	20- 24	25- 29	30- 34	35- 39	40 Up	Unk	Husband	Wife	Oth & Unk	
				1	2	3	4	5	6	7	8												9
ALL CAUSES	Total	25,808	148	1,063	1,850	2,181	2,255	1,949	1,785	1,568	1,428	1,199	4,025	2,723	1,719	1,050	478	190	145	52	10,258	14,880	670
	Husband	10,260	63	435	678	841	867	768	710	623	551	486	1,562	1,132	719	450	193	84	67	31	9,627	379	254
	Wife	15,483	83	626	1,167	1,336	1,384	1,179	1,068	942	874	710	2,452	1,585	992	598	283	106	78	20	626	14,485	372
	Oth/Unk	65	2	2	5	4	4	2	7	3	3	3	11	6	8	2	2			1	5	16	44
Separation for More Than One Year	Total	24,397	114	989	1,763	2,078	2,154	1,862	1,701	1,488	1,353	1,132	3,793	2,566	1,600	995	442	178	140	49	9,812	14,005	580
	Husband	9,771	53	400	650	799	828	735	678	591	524	463	1,484	1,082	690	435	184	82	65	28	9,214	337	220
	Wife	14,569	60	588	1,108	1,275	1,322	1,125	1,016	895	826	667	2,301	1,479	902	558	256	96	75	20	593	13,654	322
	Oth/Unk	57	1	1	5	4	4	2	7	2	3	2	8	5	8	2	2			1	5	14	38
Desertion	Total	636	3	26	41	38	40	43	45	45	31	36	106	67	57	24	22	9	1	2	210	401	25
	Husband	230	1	9	12	19	17	18	19	21	8	14	36	24	15	5	8	2		2	196	23	11
	Wife	403	2	17	29	19	23	25	26	23	23	22	69	42	42	19	14	7	1		14	376	13
	Oth/Unk	3								1			1	1							2		1
Adultery, Sodomy	Total	290	4	9	10	16	18	10	15	16	22	14	60	47	29	15	5				134	150	6
	Husband	141	3	4	7	10	11	8	9	9	13	8	33	16	5	5					123	12	6
	Wife	149	1	5	3	6	7	2	6	7	9	6	27	31	24	10	5				11	138	
	Oth/Unk																						
Imprisonment	Total	60		4	7	8	6	5	4	4	2	2	12		4	2					1	57	2
	Husband	1																			1		
	Wife	59		4	7	8	6	5	4	4	1	2	12		4	2						57	2
	Oth/Unk																						
Cruelty	Total	182	1	6	13	21	19	13	9	8	13	4	24	21	14	5	5	2	4		22	145	15
	Husband	28		2	3	3	4	1	1	1	3			4	2	2					18	5	5
	Wife	154	1	4	10	18	15	12	8	7	10	4	24	17	12	3	5	2	2		4	140	10
	Oth/Unk																						
Other/Unknown	Total	156	1	9	8	18	15	11	7	6	6	9	23	17	13	8	4	1			45	73	38
	Husband	55		6	1	9	6	6	3	1	1	1	7	4	6	3	1				42	1	12
	Wife	97	1	2	7	9	9	5	4	5	5	7	14	13	7	5	3	1			3	72	22
	Oth/Unk	4		1								1	2										4
Annulments	Total	87	25	20	8	2	3	5	4	1	1	2	7	5	2	1				1	34	49	4
	Husband	34	6	14	5	1	1						2	2	1						33	1	
	Wife	52	18	6	3	1	2	5	4	1		2	5	3	1	1					1	48	3
	Oth/Unk	1	1																				1

TABLE 55

158

TABLE 56
REPORTED CASES AND DEATHS FROM CERTAIN COMMUNICABLE DISEASES
WITH CASE RATES PER 100,000 POPULATION
VIRGINIA, 1980-1989

YEAR	AIDS#			AMEBIASIS			CAMPYLOBACTER INFECTIONS			GIARDIASIS			HEPATITIS A			HEPATITIS B		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1980	NA	NA	NA	63	1.2	1	46	0.9		396	7.4		310	5.8	4	520	9.7	7
1981	NA	NA	NA	39	0.7		226	4.2		216	4.0		200	3.7	1	537	9.9	4
1982	6	0.1	5	68	1.2		440	8.1		191	3.5		189	3.5	2	507	9.3	7
1983	24	0.4	24	91	1.6	1	588	10.6	1	195	3.5		126	2.3	1	528	9.6	7
1984	39	0.7	38	33	0.6		664	11.9	1	254	4.5		124	2.2	1	522	9.3	11
1985	102	1.8	97	78	1.4		746	13.0	1	409	7.1		171	3.0	1	558	9.7	7
1986	166	2.9	148	44	0.8		591	10.2		302	5.2		153	2.6		540	9.3	6
1987	270	4.5	212	50	0.9		639	10.9	1	262	4.5		244	4.2		448	7.6	14
1988	376	6.3	240	19	0.3		731	12.3		250	4.2		362	6.1		343	5.8	7
1989	446	7.4	207	24	0.4		689	11.4		304	5.0		334	5.5	2	321	5.3	8

YEAR	LEGIONELLOSIS			MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS			MENINGITIS (ASEPTIC)			MUMPS			PERTUSSIS		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1980	19	0.4		339	6.3		67	1.3	8	188	3.5		87	1.6		10	0.2	
1981	21	0.4		18	0.3		103	1.9	18	274	5.0	1	134	2.5		10	0.2	
1982	29	0.5	4	14	0.3		72	1.3	3	262	4.8		44	0.8		29	0.5	
1983	24	0.4	5	23	0.4		81	1.5	11	338	6.1	1	37	0.7		50	0.9	
1984	33	0.6	3	5	0.1		66	1.2	7	264	4.7		20	0.4		19	0.3	
1985	27	0.5	2	28	0.5		57	1.0	5	418	7.3		49	0.9		21	0.4	
1986	29	0.5	6	60	1.0		79	1.4	3	311	5.4		46	0.8		56	1.0	
1987	12	0.2	7	1	*		72	1.2	5	281	4.8	1	88	1.5		58	1.0	
1988	11	0.2	6	239	4.0		59	1.0	11	210	3.5	3	139	2.3		29	0.5	
1989	13	0.2	2	22	0.4		73	1.2	9	417	6.9	4	125	2.1		37	0.6	

YEAR	ROCKY MOUNTAIN SPOTTED FEVER			RUBELLA			SALMONELLOSIS			SHIGELLOSIS			TETANUS			TYPHOID FEVER		
	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths	Cases	Case Rate	Deaths
1980	96	1.8		42	0.8		1,303	24.4	3	198	3.7		3	0.1		9	0.2	
1981	105	1.9	1	9	0.2		1,572	29.0	4	1,211	22.3			0.0		1	*	
1982	74	1.4	3	12	0.2		1,468	26.9	1	159	2.9		2	*		4	0.1	
1983	60	1.1	3	2	*		1,471	26.6	2	285	5.2		2	*	1	16	0.3	
1984	47	0.8	1	1	*	1	1,255	22.4	5	201	3.6	1	1	*	1	8	0.1	
1985	24	0.4		2	*		1,651	28.8	3	88	1.5	1	3	0.1		3	0.1	
1986	51	0.9	2		0.0		1,456	25.1	2	101	1.7			0.0		11	0.2	
1987	22	0.4		1	*		1,830	31.2	6	247	4.2			0.0		10	0.2	
1988	17	0.3	1	11	0.2		1,733	29.1	2	497	8.4		2	*	1	13	0.2	
1989	18	0.3			0.0		1,452	24.1	5	410	6.8			0.0		7	0.1	

NOTES: NA = Data Not Available

* = Rate Less Than 0.05

= AIDS Cases Are Reported From The Office Of Epidemiology/Bureau Of Sexually Transmitted Diseases And AIDS

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBI- ASIS	ASEPTIC MENIN- GITIS	CAMPY- LOBACTER INFECTIONS	GIARDI- ASIS	HEPATITIS				LEGIONEL- LOSIS	MALARIA	MEASLES (RUBELLA)	MENINGO- COCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPIING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONEL- LOSIS	SHIGEL- LOSIS	TUBERCU- LOSIS
					TYPE A	TYPE B	TYPE NON-A NON-B	TYPE UNSPEC- IFIED										
STATE OF VIRGINIA	24	417	689	304	334	321	70	237	13	47	22	73	125	37	18	1,452	410	380
DISTRICT 1		1	9	1	2		1	2	1	1				2		20		7
LEE		1	3	1				1	1							8		4
SCOTT							1	1								3		2
WISE			6		2					1				2		9		1
WORTON*																		
DISTRICT 2		6	3	3	3	4			2				3	2		27	4	11
BUCHANAN		4		2	1	1			1				2	1		3		1
DICKENSON		1	1			1										7		
RUSSELL		1	1	1		1			1				1	1		3	2	3
TAZEWELL			1		2											14	2	7
DISTRICT 3		9	2		4	9	3	1	1			2	2	1		25	4	7
BLAND		2						1								1		
CARROLL		1					1									1		2
GRAYSON					1											2		
SMYTH		2			3	3						1				4		3
WASHINGTON		1				5			1			1	2			10	1	1
WYTHE		2					1							1		1	1	1
BRISTOL			1			1	1									5	2	
GALAX		1	1													1		
DISTRICT 4		1	1	9	2	9	1	6				2	1		1	26		6
FLOYD		1		3		1		1								4		1
GILES																2		2
MONTGOMERY			1	4	1	6	1	2				2	1		1	11		
PULASKI					1	2		2								7		3
RADFORD								1								4		
DISTRICT 5	6	19	40	51	3	36	3	8	2	1	2	5	2		1	41	2	9
ALLEGHANY		1	1													1		1
BOTETOURT			3	2		1	1					1	1			5		
CRAIG						1										1		
ROANOKE	1	4	8	9	2	17		1	1			2				6	1	1
CLIFTON FORGE																		
COVINGTON*																		
ROANOKE CITY	5	11	25	35	1	14	2	5	1	1	2	2	1		1	21		5
SALEM		3	3	5		3		2								7	1	2
DISTRICT 6	1	7	48	9	3	2	6	10		1		8		3		47	1	18
AUGUSTA		3	11	1	2	1	3	6				4				15		5
BATH						1										2		2
HIGHLAND																		
ROCKBRIDGE			3													4		
ROCKINGHAM	1	2	26	6	1		2	2		1		4		2		21	1	11
BUENA VISTA			1													1		
HARRISONBURG*																		
LEXINGTON*																		
STAUNTON*							1	2						1		4		
WAYNESBORO		2	7	2														

* Data Are Included With The Adjacent County.

[continued]

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBI- ASIS	ASEPTIC HEMIP- GITIS	CAMPY- LOBACTER INFECTIONS	GIARDI- ASIS	HEPATITIS				LEGIONEL- LOSIS	MALARIA	MEASLES (RUBEOLA)	COCCAL INFEC- TIONS	HUMP PERTUSSIS (WHOOPING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONEL- LOSIS	SHIGEL- LOSIS	TUBERCU- LOSIS		
					TYPE	TYPE	TYPE	TYPE											
					A	B	NON-A NON-B	UNSPEC- IFIED											
STATE OF VIRGINIA	24	417	689	304	334	321	70	237	13	47	22	73	125	37	18	1,452	410	380	
DISTRICT 7		7	24	11	4	3	2	3	1	1		3	1	1	2	27	4	2	
CLARKE		1	2		1	1									1				
FREDERICK		3	10	2	1		1	2	1	1					1	12	1	2	
PAGE			3	4												4			
SHERMANOAH			8	4	1	1						2				7	3		
WARREN		3	1	1	1	1	1	1				1	1	1		4			
WINCHESTER*																			
DISTRICT 8	6	107	183	88	40	43	10	33	1	32	1	11	53	4	3	319	63	94	
ARLINGTON	2	2	12	22	5	9		7		9			6			36	8	18	
FAIRFAX	4	76	112	33	29	16	7	17	1	13		5	19	1	3	182	38	58	
LOUDOUN		4	6	9	2	1				1						15	1	1	
PRINCE WILLIAM		19	9	19	1	8	1	1		3		5	5	1		53	7	3	
ALEXANDRIA		6	24	5	3	9	2	8		6	1	1	23	2		33	9	14	
FAIRFAX CITY*																			
FALLS CHURCH*																			
MANASSAS*																			
MANASSAS PARK*																			
DISTRICT 9		7	5	2		3		3				1			1	25	1	7	
CULPEPER		2				1		1				1				8		2	
FAUQUIER		3		9		2										7	1	3	
MADISON																4		1	
ORANGE		2	4					1							1	6		1	
RAPPAHANNOCK			1					1											
DISTRICT 10	2	21	61	13	5	6		31		3	4	3	2	2	14	2	59	13	5
ALBEMARLE	2	11	50	8	4	6		27		3	4	2	2	2	1	41	6	5	
PLUYANNA		2	3	2												3			
GREENE		2	4	2												5			
LOUISA		4	3	2	1			3				1				8			
WELSON		2	3	1				1						12		2			
CHARLOTTESVILLE*																			
DISTRICT 11		21	13	5	2	8		2		2		5	28	2		45	2	3	
AMHERST		3	3	1		1						2	1			7	1		
APPOMATTOX					1					1			1						
BESFORD		1	2	1		3						1	1	1		13		2	
CAMPBELL		3	2			1										1			
BEDFORD CITY*																			
LYNCHBURG		14	6	3	1	3		2		1		2	25	1		24	1	1	
DISTRICT 12		7	24	3	2	2	1	3	1	2		2	10	1	1	56	4	7	
FRANKLIN		1	2	1	1	2		1								4	1	1	
HENRY		1	14	1	1	2		1		2						20			
PATRICK			2									1	1			4	1	2	
PITTSYLVANIA		2	2		1	3							2			8	1		
DANVILLE		3	4			4	1		1			1	7	1		20	1	4	
MARTINSVILLE*																			

* Data Are Included With The Adjacent County.

[continued]

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	AMEBI- ASIS	ASEPTIC HEP- ITIS	CAMPY- LOBACTER INFECTIONS	GIARDI- ASIS	HEPATITIS				LEGIONEL- LOSIS	MALARIA	MEASLES (RUBEOLA)	MEASLES COCCAL INFECTIONS	MUMPS	PERTUSSIS (WHOOPIING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONEL- LOSIS	SHIGEL- LOSIS	TUBERCU- LOSIS
					TYPE A	TYPE B	TYPE MON-A	TYPE UNSPEC MON-B										
STATE OF VIRGINIA	24	417	689	304	334	321	70	237	13	47	22	73	125	37	10	1,452	410	380
DISTRICT 13			8	1				2				1			2	17	1	2
BRUNSWICK			1					1										1
HALIFAX			6	1				1				1			2	12	1	1
MECKLENBURG			1												1	5		
SOUTH BOSTON*																		
DISTRICT 14		6	5		2	4	2	2			1	2	5		2	35	2	4
AMELIA		2			1											3		1
BUCKINGHAM								1			1	1				4	2	2
CHARLOTTE													1			8		
CUMBERLAND			1			1										3		
LUNEBURG			1					1				1				3		
MONTGOMERY		1				1	1	5					1			7		1
PRINCE EDWARD		3	3		1	2	1	2					3		2	7		
DISTRICT 15	4	73	111	48	209	42	15	36	1		4	9	1	4	1	245	120	61
CHARLES CITY COUNTY			1													4		
CHESTERFIELD	4	16	40	7	20	4	7	3				2	1			52	12	14
GOOCHLAND		2	1													3		1
HANOVER		4	11	4	15	2	1	1			1	1		2		20	12	4
HENRICO		30	39	30	97	11	5	8				2			1	42	53	11
NEW KENT		1	1					1						1		1	2	1
POWHEATON		1	1	1	1	2										1		
RICHMOND CITY		19	17	6	76	23	2	23	1		3	4		1		121	41	30
DISTRICT 16		13	8	1	1	2		2	3				1			23	4	8
CAROLINE		1							1							2		1
KING GEORGE		1	1													1		4
SPOTSYLVANIA		2	1		1	1		1								2		1
STAFFORD		3	3			1							1			3		1
FREDERICKSBURG		6	3	1				1	2							15	4	1
DISTRICT 17		1	2		3	1		2								9		4
LANCASTER		1														5		
NORTHUMBERLAND			1													1		2
RICHMOND			1		2	1										2		2
WESTMORELAND					1											1		
DISTRICT 18		4	3	4	1		1	1				1				20	2	4
ESSEX		1		2												6	1	
GLOUCESTER		1		1												7		1
KING & QUEEN								1								1		
KING WILLIAM		1	2	1												5	1	2
MATHEWS					1							1				1		
MIDDLESEX		1	1															1

* Data Are Included With The Adjacent County.

(continued)

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE	ANEBI- ASIS	ASEPTIC MENIN- GITIS	CAMPY- LOBACTER INFECTIONS	GIARDI- ASIS	HEPATITIS				LEGIONEL- LOSIS	MALARIA	MEASLES (RUBEOLA)	MENINGO- COCCAL INFECTION	MUMPS	PERTUSSIS (WHOOPIING COUGH)	ROCKY MOUNTAIN SPOTTED FEVER	SALMONEL- LOSIS	SHIGEL- LOSIS	TUBERCU- LOSIS
					TYPE A	TYPE B	TYPE NON-A NON-B	TYPE UNSPEC- IFIED										
STATE OF VIRGINIA	24	417	689	304	334	321	70	237	13	47	22	73	125	37	10	1,452	410	380
DISTRICT 19		6	23	2	6	3	1	8				3				46	21	19
DINWIDDIE			2		1											7	2	2
GREENSVILLE				2	2											1	1	2
PRINCE GEORGE			1			1						1				5	1	1
SURRY			1													3		
SUSSEX			1		1											3		
COLONIAL HEIGHTS		2	3		2		1	1				1				5	1	4
EMPORIA*																		
HOPEWELL		3	2					1								6		3
PETERSBURG		1	13			2		6				1				16	16	7
DISTRICT 20		73	84	27	18	105	19	64		3		12	12	3		214	88	65
ISLE OF WIGHT	1		2					1								14	8	2
SOUTHAMPTON			2			1		2								6	2	5
CHESAPEAKE		11	7	6		15	3	12								27	6	2
FRANKLIN CITY			3					1								3		1
NORFOLK		29	15	10	8	30	3	27				5	2			60	20	15
PORTSMOUTH		10	14	3	2	20	2	12		2		2				21	3	9
SUFFOLK	1	2	8		1	4		5				1	1			24	9	11
VIRGINIA BEACH		21	73	6	7	35	11	4		1		4	9	3		59	40	20
DISTRICT 21		26	29	16	23	30	5	10		1	10	1	2		1	110	74	30
JAMES CITY COUNTY			1		5	1						1				1		1
YORK	1	2		2	4	4				1						3	3	2
HAMPTON	1	15	1	4	9	8	1	4			10	1				16	25	12
NEWPORT NEWS	2	11	14	6	3	14	3	6				1	1		1	69	45	12
POQUOSON*																		
WILLIAMSBURG			13	4	2	3	1						1			21	1	3
DISTRICT 22			1	3	1	2		1					2			16		7
ACCOMACK			1	2	1			1					2			7		4
NORTHAMPTON				1		2										9		3

* Data Are Included With The Adjacent County.

OTHER COMMUNICABLE DISEASES REPORTED IN VIRGINIA IN 1989

BACTERIAL					VIRAL					TOXIC				
MENIN- GITIS	BOTULISM (INFANT)	BRUCEL- LOSIS	CHICKEN- POX	DIPH- THERIA	ENCEPHA- LITIS, PRIMARY	HISTO- PLAS- MOSIS	KAWASAKI SYNDROME	LYME DISEASE	PSITTA- COSIS	REYE SYNDROME	SHOCK SYNDROME	TULA- REMITA	TYPHOID FEVER	VIBRIO INFECTIONS
191	1	6	3,492	1	47	11	23	54	6	2	6	4	7	7

TABLE 58
REPORTED CASES OF AIDS AND SEXUALLY TRANSMITTED DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	AIDS	HIV INFECTION*	SYPHILIS		GONORRHEA	CHLAMYDIA TRACHOMATIS INFECTION*	OTHER VENEREAL DISEASES
			Total Syphilis	Early Syphilis			
STATE OF VIRGINIA	446	304	1,731	1,088	15,993	6,002	13
<u>DISTRICT 1</u>							
LEE	1	1	2	2	4	55	
SCOTT			1	1		16	
WISE	1	1	1	1	4	25	
NORTON						11	
						3	
<u>DISTRICT 2</u>							
BUCHANAN	1		1	1	5	50	
DICKENSON					2	12	
RUSSELL						8	
TAZEWELL	1				2	13	
					1	17	
<u>DISTRICT 3</u>							
BLAND	4	2	11	7	59	162	
CARROLL		2			1	6	
GRAYSON	1				4	3	
SMYTH	1		4	3	3	31	
WASHINGTON	2				10	50	
WYTHE					8	24	
BRISTOL			5	2	20	29	
GALAX			2	2	3	19	
					10		
<u>DISTRICT 4</u>							
FLOYD	1	2	2	2	35	85	
GILES		2				1	
MONTGOMERY						4	
PULASKI	1		2	2	7	52	
RADFORD					17	13	
					11	15	
<u>DISTRICT 5</u>							
ALLEGHANY	9	1	119	99	658	181	
BOTETOURT			3	1	3	2	
CRAIG					11	10	
ROANOKE	1				2	1	
CLIFTON FORGE					14	5	
COVINGTON			1		3	7	
ROANOKE CITY	8	1	109	95	3	20	
SALEM			6	3	604	125	
					18	11	
<u>DISTRICT 6</u>							
AUGUSTA	5		7	2	67	143	
BATH	1				5	11	
HIGHLAND			1		4	4	
ROCKBRIDGE							
ROCKINGHAM	1				2	4	
BUENA VISTA	1		1	1	6	7	
HARRISONBURG					5	9	
LEXINGTON	1				11	57	
STAUNTON	1		5	1	4	8	
WAYNESBORO					20	21	
					10	22	
<u>DISTRICT 7</u>							
CLARKE	7		3		95	69	
FREDERICK	1				5	9	
PAGE					16	9	
SHENANDOAH						4	
WARREN	4		1		3	7	
WINCHESTER	2		2		12	3	
					59	37	
<u>DISTRICT 8</u>							
ARLINGTON	166	43	539	193	2,114	651	8
FAIRFAX	50	10	147	30	280	133	1
LOUDOUN	62	4	141	58	504	186	2
PRINCE WILLIAM	1		7	5	51	30	
ALEXANDRIA	10	2	36	16	225	77	1
FAIRFAX CITY	39	23	165	76	911	144	4
FALLS CHURCH	2	2	2	2	18	17	
MANASSAS		2	23	3	47	17	
MANASSAS PARK	2		17	2	75	47	
			1	1	3		
<u>DISTRICT 9</u>							
CULPEPER	5		6	5	144	88	
FAUQUIER	2		4	3	70	39	
MADISON	1				33	12	
ORANGE					16	6	
RAPPAHANNOCK	1		2	2	24	30	
					1	1	
<u>DISTRICT 10</u>							
ALBEMARLE	13		20	12	278	232	
FLUVANNA	3		1	1	35	16	
GREENE			2		27	10	
LOUISA	1				6	13	
NELSON	2		3	2	23	21	
CHARLOTTESVILLE	6		1		9	8	
			13	9	178	164	
<u>DISTRICT 11</u>							
AMHERST	6	2	22	20	337	130	
APPOMATTOX		1	3	3	19	14	
BEDFORD	2		2	2	17	13	
CAMPBELL		1	5	5	10	9	
BEDFORD CITY					59	13	
LYNCHBURG	4	1	12	10	4	75	

* Data on HIV and CHLAMYDIA TRACHOMATIS Infections are based on six months of reporting.

[continued]

TABLE 58
REPORTED CASES OF AIDS AND SEXUALLY TRANSMITTED DISEASES
BY PLANNING DISTRICT AND CITY OR COUNTY
VIRGINIA, 1989

PLANNING DISTRICT AND CITY / COUNTY	AIDS	HIV INFECTION*	SYPHILIS		GONORRHEA	CHLAMYDIA TRACHOMATIS INFECTION*	OTHER VENEREAL DISEASES
			Total Syphilis	Early Syphilis			
STATE OF VIRGINIA	446	304	1,731	1,088	15,993	6,002	13
DISTRICT 12	9	4	59	44	601	263	
FRANKLIN	1		2	2	13	13	
HENRY	1		5	4	94	34	
PATRICK		1			2	4	
PITTSYLVANIA	1		15	11	110	33	
DANVILLE	5		34	25	335	126	
MARTINSVILLE	2	3	3	2	47	53	
DISTRICT 13	7		20	12	124	75	1
BRUNSWICK	1		11	5	42	19	1
HALIFAX	2		2	1	29	14	
MECKLENBURG	3		6	5	40	36	
SOUTH BOSTON	1		1	1	13	6	
DISTRICT 14	8	1	6	4	121	186	
AMELIA	1		2	1	12	16	
BUCKINGHAM	4		1		29	28	
CHARLOTTE					9	25	
CUMBERLAND					12	24	
LUNENBURG	1		1	1	9	15	
NOTTOWAY	1	1	1	1	28	30	
PRINCE EDWARD	1		1	1	22	48	
DISTRICT 15	88	15	399	304	2,668	967	1
CHARLES CITY COUNTY					9	10	
CHESTERFIELD	6	1	21	15	92	148	1
GOOCHLAND	1		9	1	5	5	
HANOVER	1	1	5	5	26	26	
HENRICO	8		22	13	137	78	
NEW KENT	2		3		4	9	
POWHATAN	5		6	2	7	11	
RICHMOND CITY	65	13	333	268	2,388	680	
DISTRICT 16	6	1	27	21	155	138	
CAROLINE	1		2	2	32	27	
KING GEORGE			5	4	10	13	
SPOTSYLVANIA	2		5	3	21	22	
STAFFORD			2	2	22	26	
FREDERICKSBURG	3	1	13	10	70	50	
DISTRICT 17			10	8	70	79	
LANCASTER			3	3	5	12	
NORTHUMBERLAND			1	1	11	6	
RICHMOND					8	22	
WESTMORELAND			6	4	45	39	
DISTRICT 18	3	1	6	5	61	93	
ESSEX			3	3	21	17	
GLOUCESTER	1	1	1		19	19	
KING & QUEEN					6	17	
KING WILLIAM	1		2	2	15	12	
MATHEWS	1					7	
MIDDLESEX						21	
DISTRICT 19	9		79	71	283	329	
DINWIDDIE			10	8	23	23	
GREENSVILLE			1	1	11	3	
PRINCE GEORGE			2	1	5	11	
SURRY			4	4	14	11	
SUSSEX	1				16	46	
COLONIAL HEIGHTS					8	24	
EMPORIA			2	1	9	21	
HOPEWELL	3		5	4	15	36	
PETERSBURG	5		55	52	182	154	
DISTRICT 20	79	199	283	209	6,223	1,561	3
ISLE OF WIGHT	1		2		75	30	
SOUTHAMPTON			8	5	70	26	
CHESAPEAKE	8	8	30	23	574	221	
FRANKLIN CITY		1	16	15	84	34	
NORFOLK	35	121	121	107	3,015	604	2
PORTSMOUTH	11	25	41	30	1,307	218	
SUFFOLK		2	12	2	527	100	
VIRGINIA BEACH	24	42	53	27	571	328	1
DISTRICT 21	18	25	76	49	1,774	358	
JAMES CITY COUNTY					14	10	
YORK	1	2			26	10	
HAMPTON	8	10	24	14	621	149	
NEWPORT NEWS	6	12	39	32	1,008	123	
POQUOSON					1		
WILLIAMSBURG	3	1	13	3	104	66	
DISTRICT 22	2	6	34	18	117	107	
ACCOMACK	1	2	20	11	63	87	
NORTHAMPTON	1	4	14	7	54	40	

* Data on HIV and CHLAMYDIA TRACHOMATIS Infections are based on six months of reporting.